SEQUENCE LISTING

<110> Xu, Jiangchun
Stolk, John A.

<120> OVARIAN TUMOR SEQUENCES AND
METHODS OF USE THEREFOR

<130> 210121.484C3

<140> US
<141> 2000-09-07

<160> 199

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 396
<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(396)
<223> n = A,T,C or G

<400> 1
caacctcact agtaaatgaa agaaatattg taatttgtat ttgatctgct gggtctttgg 60
agtcagaact ggttttatca gcagtttgat cttctgaggt ctggtatgta gtttgctggc 120
ccacagaacc ttcacgtgta ttcacagcct caatgccata aggaaactct tttagaagtt 180
ctgacagctg gtcatgtagg tataagacag gtgccttatc actgtggatt tcatttcttg 240
caggatcttg gggagtatag ttgctggatg catctatttc ctgagggtaa atatcctcct 300
ggncgacgcg gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 360
tgccttctan ttgccancca tntgttgttt gcccct 396

<210> 2
<211> 396
<212> DNA
<213> Homo sapien

<400> 2
cgaccaaaaa gtaaactcca agtgaacatc aaatcaaatc taatcctttt ggccacatga 60
ctggttgttc tttatctcat agttacaatg aatcatataa actgtagact gccactacca 120
cgatacttct gtgacacaga aggaatgtcc tatttgccta tctatctgag gaatgttaaa 180
tagagaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
ttaaaaaaca tctgaacagc aaatgtccaa tctgtaataa aatagttaaa ggtccaagtc 300
aagtccactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
tgcttttcta atttcccgg aggacatggg ccattg 396

<210> 3
<211> 396
<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(396)
<223> n = A,T,C or G

<400> 3
cgccctttttt ttttttttttt tnattggnnn aantcnctttt nantnnaaaa acntgnangg 60
naancccann cccnnggnac cannnccagg agttgggtgg anactgagtg gggtttgtgt 120
gggtgagggg gcatctactc ctnttgcaac aagccaaaag tagaacagcc taaggaaaag 180
tgacctgcct tggagcctta gtccctccct tagggccccc tcagcctacc ctatccaagt 240
ctgaggctat ggaagtctcc ctcctagttc actagcaggt tccccatctt ttccaggctg 300
cccctagcac tccacgtttt tctgaaaaaa tctanacagg ccctttttgg gtacctaaaa 360
cccagctgag gttgtgagct tgtaaggtaa agcaag 396

<210> 4
<211> 396
<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(396)
<223> n = A,T,C or G

<400> 4
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gtnnacctcc nnctgcnnag ccntatntcc aanatcaccc accgtatcca ctgggaatct 120
gccagcctcc tgcgatcaga agagaccaat cgaaaatgag ggtttcacan tcacagctga 180
aggaaaaggc caaggcacct tgtcggnggn gacaatgtac catgctaagg ccaaagatca 240
actcacctgt aataaattcg acctcaaggt caccataaaa ccagcaccgg aacagaaaaa 300
gaggcctnag gatgcccaag aaacactttt gatcctttga aaactgtacc aaggtaccgg 360
ggggagaccc aggaaaggnc cnttatgtnt nnntnt 396

<210> 5
<211> 396
<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(396)
<223> n = A,T,C or G

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gatcttcatc ggcacagggg ccactgagac gtttctgcct ccctctttct tcctccgctc 120
tttctcttcc ctctngttta gtttgcctgg gagcttgaaa ggagaaagca cnggggtcgc 180
cccaaaccct ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240
tcctccctct tctcccgact atttggcaag aagcagatgc gcattttgat ggttggattg 300
gatgctgctg gcaagacaac cattcttgat aaactgaaag tanggganat aagnaccacc 360
atttctacca ttgggtttaa tgggggaaac agtana 396

<210> 6
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 6
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ctcccgtgaa gatgtccact ccagacccac ccctgggcgg aactcctcgg ccaggtcctt 120
ccccgggccc tgcccttccc ctggagccat gctgggccct agcccgggtc cctcgccggg 180
ctccgcccac agcatgatgg ggcccagccc angggccgcc ctcagcagga cacccccatcc 240
ccacccaggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
agtccatgca tgagaagggc atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360
ggatgcggtc agggggccat gctgggatgg ggcccc 396

<210> 7
<211> 396
<212> DNA
<213> Homo sapien

<400> 7
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ccccacccccg gccggccgcc catagccagc cctccgtcac ctcttcaccg caccctcgga 120
ctgccccaag gccccccgccg ccgctccagc gccgcgcagc caccgccgcc gccgccgcct 180
ctccttagtc gccgccatga cgaccgcgtc cacctcgcag gtgcgccaga actaccacca 240
ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300
cctgtccatg tcttactact ttgaccgcga tgatgtggct ttgaagaact ttgccaaata 360
ctttcttcac caatctcatg aggagaggga acatgc 396

<210> 8
<211> 396
<212> DNA
<213> Homo sapien

<400> 8
cgacaacaag gttaatacct tagttcttaa cattttttt ctttatgtgt agtgttttca 60
tgctaccttg gtaggaaact tatttacaaa ccatattaaa aggctaattt aaatataaat 120
aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
aaaccaccca aatgaccaag gcatatatag tatttggagg aatcaggggt ttggaaggag 240
tagggaggag aatgaaggaa aatgcaacca gcatgattat agtgtgttca tttagataaa 300
agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360
ggtgaaaaaa acactgccat tcacaagtca aggaac 396

<210> 9
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 9
tcgacatcgc ggcaactttt tgcggattgt tcttgcttcc aggctttgcg ctgcaaatcc 60
agtgctacca gtgtgaagaa ttccagctga acaacgactg ctcctccccc gagttcattg 120
tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg 180
ggatcatgta ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt 240

accagtcctt ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc 300
ctctttgtaa cgggccaagg nccaaaaaaa ggggaaagtt ctgncctcgg ccctcaggcc 360
agggctccgc accaccatcc tgttcctcaa attagc 396

<210> 10
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 10
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ttttttttttt ttttttttttt ttttttttttt ttttaaaaaa aaaannnttt 120
ttttttttttn aaaaaaangg gnnnnnttttt ttncccnnnn gggngggggg ggggnnnnnt 180
ttnaaanaaa aaaaccnnaa annnnnggggg nnnannnaan nncccncccc naancnntaa 240
aaaannnggn aaaanagggg gggnannnnn nngggggggna aaanttttttt ttttttnaag 300
ggnnnggnaa aaaantnnnn nnnttttttt ttnnaanngg gnnaaaaaaa aaaaaaaaaa 360
atttttttngg gntnaggggn ngggggaaaa ncccna 396

<210> 11
<211> 396
<212> DNA
<213> Homo sapien

<400> 11
agaacacagg tgtcgtgaaa actaccccta aaagccaaaa tgggaaagga aaagactcat 60
atcaacattg tcgtcattgg acacgtagat tcgggcaagt ccaccactac tggccatctg 120
atctataaat gcggtggcat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
gagatgggaa agggctcctt caagtatgcc tgggtcttgg ataaactgaa agctgagcgt 240
gaacgtggta tcaccattga tatctccttg tggaaatttg agaccagcaa gtactatgtg 300
actatcattg atgccccagg acacagagac tttatcaaaa acatgattac agggacatct 360
caggctgact gtgctgtcct gattgttgct gctggt 396

<210> 12
<211> 396
<212> DNA
<213> Homo sapien

<400> 12
cgaaaacctt taaaccccgg tcatccggac atcccaacgc atgctcctgg agctcacagc 60
cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgtttat 120
gtcttcaagt gacctgtact gcttggggac tattggagaa aataaggtgg agtcctactt 180
gtttaaaaaa tatgtatcta agaatgttct agggcactct gggaacctat aaaggcaggt 240
atttcgggcc ctcctcttca ggaatcttcc tgaagacatg gcccagtcga aggcccagga 300
tggcttttgc tgcggccccg tggggtagga gggacagaga gacagggaga gtcagcctcc 360
acattcagag gcatcacaag taatggcaca attctt 396

<210> 13
<211> 396
<212> DNA
<213> Homo sapien

<400> 13

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ggtccggctg ctgcacgtgc gtgccggctt ctgctgcggg gtcatccgag cccacaagaa 120
ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta 180
tgacaagcgg atcatcctct gggacatcgg ggtgcccaac caggactacg aattccaggc 240
cagccagctg ctcacactgg acaccacctc tatccccctg cgcctctgcc ctgtcgcctc 300
ctgcccggac gcccgcctgc tggccggctg cgagggcggc tgctgctgct gggacgtgcg 360
gctggaccag ccccaaaaga ggagggtgtg tgaagt 396

<210> 14
<211> 396
<212> DNA
<213> Homo sapien

<400> 14
acggcgtcct cgtggaagtg acatcgtctt taaaccctgc gtggcaatcc ctgacgcacc 60
gccgtgatgc ccagggaaga cagggcgacc tggaagtcca actacttcct taagatcatc 120
caactattgg atgattatcc gaaatgtttc attgtgggag cagacaatgt gggctccaag 180
cagatgcagc agatccgcat gtcccttcgc gggaaggctg tggtgctgat gggcaagaac 240
accatgatgc gcaaggccat ccgagggcac ctggaaaaca acccagctct ggagaaactg 300
ctgcctcata tccgggggaa tgtgggcttt gtgttcacca aggaggacct cactgagatc 360
agggacatgt tgctggccaa taaggtgcca gctgct 396

<210> 15
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 15
accgcgcggg cacagggtgc cgctgaccga ggcgtgcaaa gactccagaa ttggaggcat 60
gatgaagact ctgctgctgt ttgtggggct gctgctgacc tgggagagtg ggcaggtcct 120
gggggaccag acggtctcag acaatgagct ccaggaaatg tccaatcagg gaagtaagta 180
cgtcaataag gaaattcaaa atgcttgtca acggggtgaa acagataaag actctcatag 240
aaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga 300
aagaggatgc cctaaatgag accagggaat canagacaaa gctgaaggag ctcccaggag 360
tgtgcaatga gaccatgatg gccctctggg aagagt 396

<210> 16
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 16
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ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt tttnggggng 120
nnnaaanttt tttntnanan nnnngggnaa aaaaaaaaaa aanaanggng gnnntnnggc 180
ccnnnanaaa aaaannngnna annaancccc ccnnnnnnnc ccncnnntnn ggaaananna 240
aaaccccccc cngggnnggg nnaaaaannc ccnggggnan tttttatnnn annccccccc 300

ccnggggggg gnggaaaaaa aaaantnccc ccnannaaaa nnggggnccc cccnttttnc 360
aaaangggggg nccgggcccc ccnnantntt nggggg 396

<210> 17
<211> 396
<212> DNA
<213> Homo sapien

<400> 17
accacactaa ccatatacca atgatggcgc gatgtaacac gagaaagcac ataccaaggc 60
caccacacac cacctgtcca aaaaggcctt cgatacggga taatcctatt tattacctca 120
gaagtttttt tcttcgcagg atttttctga gccttttacc actccagcct agcccctacc 180
ccccaactag gagggcactg gcccccaaca ggcatcaccc cgctaaatcc cctagaagtc 240
ccactcctaa acacatccgt attactcgca tcaggagtat caatcacctg agctcaccat 300
agtctaatag aaaacaaccg aaaccaaata attcaagcac tgcttattac aattttactg 360
ggtctctatt ttaccctcct acaagcctca gagtac 396

<210> 18
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 18
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gaaggnccct ttttattaaa nttggncatt ttactttnct tttttnaaaa ngctaanaaa 120
aaantttttnt ttntncttaa aaaaaccctn natntcacna ncaaaaaaaa cnattcccnc 180
ntncnttttg tgataaaaaa aaaggcaatg gaattcaacn tancctaana aaactttncc 240
tgggaggaaa aaaaattnnt ccgngggaaa cacttggggc tntccaaant gnanccatnc 300
tangaggacc ntctntaaga tttccaaang aaaccccttc ctnccaaang nantaccccg 360
ntgcctacnn cccataaaaa aaacctcanc cntaan 396

<210> 19
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 19
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tattttacna aaaanctaan ggnaaanntn cnttaaacta antngaanac aaagtnttaa 120
ngaaaaaggn ctgggggnnt cntttacaaa aanggncngg gncannttg ggcttaaaan 180
ttcaaaaagg gnncntcaaa ngggtttgca tttgcatgtt tcancnctaa ancgnangaa 240
naaacccngg ngnccnctgg gaaaagttnt tnanctncca aaanatnaan tntttgnanc 300
agggnntttt tgggnaaaaa aannanttcc anaaactttc catcccctgg ntttgggttc 360
ggccttgngt tttcggnatn atntccntta angggg 396

<210> 20
<211> 396

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 20
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taatactaag ttganatgat ntcatttacg ggggaaggcn ctttgtgaan naggccttat 120
ttctnttgnc ctttcgtaca gggaggaatt tgaagtaaan anaaaccnac ctggattact 180
ccggtctgaa ctcaaatcac gtaggacttt aatcgttgaa caaacaaacc tttaatagcg 240
gctgcnccat tgggatgtcc tgatccaaca tcgaggncgt aaaccctatt gttgatatgg 300
actctaaaaa taggattgcg ctgttatccc tagggtaact tgttcccgtg gtcaaagtta 360
ttggatcaat tgagtataag tagttcgctt tgactg 396

<210> 21
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 21
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acctnatatc ctncntacta tgcctagaag gaataatact atngctgttn attatancta 120
ctntnataac cctnaacacc cactccctct tanccaatat tgtgcctatt gccatactag 180
tntttgccgc ctgcnaagca gnggngggcc tanccntact agnctcaatc tccaacacnt 240
atggcctana ctacgtacat aacctaaacc tactcnaatg ctaaaactaa tcnncccaac 300
anttatntta ctaccactga catgactttc caaaaaacac atantttgaa tcaacncanc 360
cacccacanc ctanttatta ncatcatccc cntact 396

<210> 22
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 22
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gactcataaa tggtgctggg ggaagggtgc agcaacgatt tctcaccaaa tcactacaca 120
ggacagcaaa ggggtgagaa ggggctgagg gaggaaaagc caggaaactg agatcagcag 180
agggagccaa gcatcaaaaa acaggagatg ctgaagctgc gatgaccagc atcattttct 240
taanagaaca ttcaaggatt tgtcatgatg gctgggcttt cactgggtgt taagtctaca 300
aacagcacct tcaattgaaa ctgtcaatta aagttcttaa gatttaggaa gtggtggagc 360
ttggaaagtt atgagattac aaaattcctg aaagtc 396

<210> 23
<211> 396

<212> DNA
<213> Homo sapien

<400> 23
acaaaggcgg ttccaagcta aggaattcca tcagtgcttt tttcgcagcc accaaattta 60
gcaggcctgt gaggttttca tatcctgaag agatgtattt taaagctttt ttttttaat 120
gaaaaaatgt cagacacaca caaaagtaga atagtaccat ggagtcccca cgtacccagc 180
ctgcagcttc aacagttacc acatttgcca accggagaga ctgccaaggc aggaaaaagc 240
cctggaaagc ccacggcccc tttttccctt gggtcagagg ccttagagct ggctgccaaa 300
gcagccaacc aaaggggcag ctcagctcct tcgtggcacc agcagtgttc ctgatgcagt 360
tgaagagttg atgtctttga caacatacgg acactg 396

<210> 24
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 24
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atgtagcaat atatcagtgc acaggcgcat cccaggcctg tacagatgta tgtctacacg 120
taagtataaa tgaatttgca taccaggttt tacacttgca tctctaatag agattaaaaa 180
caacaaattg gcctcttcct aagtatatta atatcattta tccttacatt ttatgcctcc 240
ccctaaatta atgactgagt tggtggaaag cggctaggtt ttattcatac tgtttttttgt 300
tctcaacttc aanagtaatc tacctctgaa aaatttntan tttaatattn nnnnnnagga 360
atttgngcca ctttannnct tncnntntnn tnnccn 396

<210> 25
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 25
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caagcattac agactgtaaa atcaattaan aactttctgt atatgaggac aaaaatacat 120
ttaanacata tacaanaaga tgcttttttcc tgagtagaat gcaaactttt atattaagct 180
tctttgaatt ttcaaaatgt aaaataccaa ggcttttca catcagacaa aaatcaggaa 240
tgttcacctt cacatccaaa aagaaaaaaa aaaaaaancc aattttcaag ttgaagttna 300
ncaanaatga tgtaaaatct gaaaaaagtg gccaaaattt taanttncaa canannngnn 360
ncagntttna tggatctntn nnnnnncttc nnntnn 396

<210> 26
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(396)
<223> n = A,T,C or G

<400> 26
gacgctcccc cctcccccccg agcgccgctc cggctgcacc gcgctcgctc cgagtttcag 60
gctcgtgcta agctagcgcc gtcgtcgtct cccttcagtc gccatcatga ttatctaccg 120
ggacctcatc agccacgatg agatgttctc cgacatctac aagatccggg agatcgcgga 180
cgggttgtgc ctggaggtgg aggggaagat ggtcagtagg acagaaggta acattgatga 240
ctcgctcatt ggtggaaatg cctccgctga aggccccgag ggcgaaggta cccgaaagca 300
cagtaatcac tgnngncnat nttgtcatga accatcacct gcnngaaaca annttnacaa 360
aanaancctn cnnnnannnc ctnnnnnatt ncnnnn 396

<210> 27
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 27
ttttttttttt ttttttttttt ttttttttttt ttttttttttt tggctaaant ttatgtatac 60
nggttnttca aangnggggg agggggggggg gcatccatnt annenencca ggtttatggn 120
gggntnttnt actattanna nttttcnctt caaancnaag gnttntcaaa tcatnaaaat 180
tattaanatt ncngctgnta aaaaaangaa tgaaccnncn nanganagga nntttcatgg 240
ggggnatgca tcggggnann ccnaanaacc ncggggccat tcccganagg cccaaaaaat 300
gtttnnnnaa aaagggtaaa nttacccccn tnaantttat annnnaaann nnannnnagc 360
ccaannnttn nnnnnnnnnn nnnccnnnna nnnnnn 396

<210> 28
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 28
cgacctttttt ttttttttttt atagatgaaa gagggtttat ttattaatat atgatagcct 60
tggctcaaaa aagacaaatg agggctcaaa aaggaattac agtaacttta aaaaatatat 120
taaacatatc caagatccta aatatattat tctccccaaa agctagctgc ttccaaactt 180
gatttgatat tttgcatgtt ttccctacgt tgcttggtaa atatatttgc ttctcctttc 240
tgcaatcgac gtctgacagc tgatttttgc tgttttgnca acntgacgtt tcaccttntg 300
tttcaccant tctggaggaa ttgttnaaca ncttacanca ctgccttgaa naaannnnan 360
gcctcaaaag ntcttgnnct atnctnnttc ntnnnt 396

<210> 29
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<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(396)
<223> n = A,T,C or G

<400> 29
gacttgctca tttagagttt gcaggaggct ccatactagg ttcagtctga aagaaatctc 60
ctaatggtgc tatagagagg gaggtaacag aaagactctt ttagggcatt tttctgactc 120
atgaaaagag cacagaaaag gatgtttggc aatttgtctt ttaagtctta accttgctaa 180
tgtgaatact gggaaagtga ttttttttctc actcgttttt gttgctccat tgtaaagggc 240
ggaggtcagt cttagtggcc ttgagagttg cttttggcat ttaaatattc taagagaatt 300
aactgtattt cctgtcacct attcactant gcangaaata tacttgctcc aaataagtca 360
ntatgagaag tcactgtcaa tgaaanttgn tttgtt 396

<210> 30
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 30
ttttttttttt ttttttttttg aaatttanaa acaaatttta tttaagatct gaaatacaat 60
tcctaaaata tcaacttttc canaaaaccg tggctacaca ataatgcatt gcctctatca 120
tgttanaacg tgcattanac tcaaatacaa aaaccatgaa acaaatcacc atccttcaac 180
aatttgagca aagatagaat gcctaagaac aacatagatg gacttgcaga ggatgggctg 240
ttttacttca agcnccataa aaaaaaaaaa gagcncaaat gcattgggtt ttcaggtnta 300
tacattaagn ngaacctttg gcactaggaa tcagggcgtt ttgtcacata gcnttaacac 360
atnttaaaaa attntgtant gtcaaaggga tangaa 396

<210> 31
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 31
gacgggccag ggccatctgg aaagggaact cggcttttcc agaacgtggt ggatcatctg 60
tcgggtgtgt ggtgaacacg ttcagttcat cagggcctac gctccgggaa ggggccccca 120
gctgtggctc tgccatgccg ggctgtgttt gcagctgtcc gagtctccat ccgcctttag 180
aaaaccagcc acttcttttc ataagcactg acagggccca gcccacagcc acaggtgcga 240
tcagtgcctc acgcaggcaa atgcactgaa acccaggggc acacncncgc agagtgaaca 300
gtgagttccc ccgacagccc acgacagcca ggactgccct ccccaccccn ccccgacccc 360
angancacgg cacacanntc ancctctnan ctngct 396

<210> 32
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(396)
<223> n = A,T,C or G

<400> 32
cgactggcct cataccttgt ctacacagtc cctgcacagg gttcctaacc tgtggttagt 60
aaagaatgtc actttctaac aggtctggaa gctccgagtt tatcttggga actcaagagg 120
agaggatcac ccagttcaca ggtatttgag gatacaaacc cattgctggg ctcggcttta 180
aaagtcttat ctgaaattcc ttgtgaaaca gagtttcatc aaagccaatc caaaaggcct 240
atgtaaaaat aaccattctt gctgcacttt atgcaaataa tcaggccaaa tataagacta 300
cagtttattt acaatttgtt tttaccaaaa atgaggacta nagagaaaaa tggtgctcca 360
aagcttatca tacatttgtc attaagtcct agtctc 396

<210> 33
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 33
ccttttttnt ttttttnttt ttttttnttt ttttttnttt ttttttnttt ttttttnttt 60
ttttttnttt ttttttnttt ttttttnttt ttttttnttt ttttttnttt ttttttnttt 120
nngnnntntn nnnnannaaa aaaaaaaaaa aannnnnnna aaaaaaannn nnnnnnnnnt 180
tttnnggggg gnttttnann gnannttnnn nttnnnnnaa ancccennng ggnnggggng 240
nntnnnnnng gnaaaaaaan nnnnnggggn cnnnnggnc cncncccnan nnnnaaaann 300
nnnggnttt ttnnttttna aaaaaannngn nnnnnaacaa aanttttttnn nnaantttn 360
gggggaaann ncccntttnt ttttttnnan nnnnnn 396

<210> 34
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 34
acggaccnag ctggaggagc tgggtgtggg gtgcgttggg ctggtgggga ggcctagttn 60
gggtgcaagt angtctgatt gagcttgtgt tgtgctgaag ggacagccct gggtctaggg 120
ganagagncc ctgagtgtga gacccacctt ccccngtccc agcccctccc anttccccca 180
gggacggcca cttcctgntc cccgacncaa ccatggctga agaacaaccg caggtcgaat 240
tgttcntgaa ggctggcagt gatggggcca agattgggaa ctgcccattc tcccacagac 300
tgttnatggt actgtggctc aaggnagtca ccttcaatgt taccaccnnt gacaccaaaa 360
ggcggaccna nacagtgcan aagctgtgcc canngg 396

<210> 35
<211> 396
<212> DNA
<213> Homo sapien

<400> 35
tcgaccaaaa tcaaatctgg cactcacaag ccctggccga cccccaatgg gttttaccac 60

```
tcccctcta gaccctgtct tgcaaaatcc tctccctagc cagctagtat tttctgggct     120
aaagactgta caaccagttc ctccatttta tagaagttta ctcactccag gggaaatggt     180
gagtcctcca acctcccttt caaccagtcc catcattcca accagtggta ccatagagca     240
gcacccccg ccaccctctg agccagtagt gccagcagtg atgatggcca cccatgagcc      300
cagtgctgac ctggcaccca agaaaaagcc caggaagtca agcatgcctg tgaagattga     360
gaaggaaatt attgataccg ccgatgagtt tgatga                               396

      <210> 36
      <211> 396
      <212> DNA
      <213> Homo sapien

      <400> 36
tcgacgggaa gagcctgcta cggtggactg tgagactcag tgcactgtcc tcctcccagc      60
gaccccacgc tggacccct gccggaccct ccacccttcg gcccccaagc ttcccagggg      120
cttcctttgg actggactgt ccctgctcat ccattctcct gccaccccca gacctcctca     180
gctccaggtt gccacctcct ctcgccagag tgatgaggtc ccggcttctg ctctccgtgg     240
cccatctgcc cacaattcgg gagaccacgg aggagatgct gcttgggggt cctggacagg     300
agcccccacc ctctcctagc ctggatgact acgtgaggtc tatatctcga ctggcacagc     360
ccacctctgt gctggacaag gccacggccc agggcc                               396

      <210> 37
      <211> 396
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(396)
      <223> n = A,T,C or G

      <400> 37
cgacggtgtc agcaactggc catgccacag cacataaaga ttacagtgac aagaaaaaca      60
ttgtttgagg attcctttca acagataatg agcttcagtc cccaagatct gcgaagacgt     120
ttgtgggtga tttttccagg agaagaaggt ttagattatg gaggtgtagc aagagaatgg     180
ttctttcttt tgtcacatga agtgttgaac ccaatgtatt gcctgtttga atatgcaggg     240
aaggataact actgcttgca gataaacccc gcttcttaca tcaatccaga tcacctgaaa     300
tattttcgtt ttattggcag atttattgcc atggctctgt tccatgggaa aattcataga     360
cacgggtttt tctttnccat tctataagcg tatctt                               396

      <210> 38
      <211> 396
      <212> DNA
      <213> Homo sapien

      <400> 38
cgaccaaaat gataaatagc tttaagaatg tgctaatgat aaatgattac atgtcaattt      60
aatgtactta atgtttaata ccttatttga ataattacct gaagaatata tttttagta      120
ctgcatttca ttgattctaa gttgcacttt ttacccccat actgttaaca tatctgaaat     180
cagaatgtgt cttacaatca gtgatcgttt aacattgtga caaagtttaa tggacagttt     240
tttcccatat gtatatataa aataatgtgt tttacaatca gtggcttaga ttcagtgaaa     300
tacagtaatt cattcaatta tgatagtatc tttacagaca ttttaaaaat aagttatttt     360
tatatgctaa tattctatgt tcaagtggaa tttgga                               396

      <210> 39
      <211> 396
      <212> DNA
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<213> Homo sapien

<400> 39
tcgaccaaga atagatgctg actgtactcc tcccaggcgc cccttccccc tccaatccca 60
ccaaccctca gagccacccc taaagagata ctttgatatt ttcaacgcag ccctgctttg 120
ggctgccctg gtgctgccac acttcaggct cttctccttt cacaaccttc tgtggctcac 180
agaaccctg gagccaatgg agactgtctc aagagggcac tggtggcccg acagcctggc 240
acagggcaag tgggacaggg catggccagg tggccactcc agacccctgg cttttcactg 300
ctggctgcct tagaaccttt cttacattag cagtttgctt tgtatgcact ttgttttttt 360
ctttgggtct tgttttttt ttccacttag aaattg 396

<210> 40
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 40
ttttttttt ttttgttatt tagtttttat ttcataatca taaacttaac tctgcaatcc 60
agctaggcat gggagggaac aaggaaaaca tggaacccaa agggaactgc agcgagagca 120
caaagattct aggatactgc gagcaaatgg ggtggagggg tgctctcctg agctacagaa 180
ggaatgatct ggtggttaan ataaaacaca agtcaaactt attcgagttg tccacagtca 240
gcaatggtga tcttcttgct ggtcttgcca ttcctggacc caaagcgctc catggcctcc 300
acaatattca tgccttcttt cactttgcca aacaccacat gcttgccatc caaccactca 360
gtcttggcag tgcanatgaa aaactgggaa ccattt 396

<210> 41
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 41
tcgacctctt gtgtagtcac ttctgattct gacaatcaat caatcaatgg cctagagcac 60
tgactgttaa cacaaacgtc actagcaaag tagcaacagc tttaagtcta aatacaaagc 120
tgttctgtgt gagaattttt taaaaggcta cttgtataat aacccttgtc atttttaatg 180
tacaaaacgc tattaagtgg cttagaattt gaacatttgt ggtctttatt tactttgctt 240
cgtgtgtggg caaagcaaca tcttccctaa atatatatta cccaaagnaa aagcaagaag 300
ccagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat 360
ggtgagaggc aaggcatgag agggcaagtt tgttgt 396

<210> 42
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)

<223> n = A,T,C or G

<400> 42
ctttttttttt ttttttttttt ttttttttttt ttttttttttt ttttttttttt 60
aaaanccnna nnaananang gnaannnann aaaaaannca aaccncntnt anaaaangcc 120
nntntnaggg ggggggttca aaaccaaang gnngntngga ngnaaannna aaanttnnnn 180
gggggnanaa anaaaaaggg nngaaanntg acccnanaan gaccngaaan cccgggaaac 240
cnngggntan aaaaaaagnt gancctaaa nnccccccgna aaanggggga agggnaannc 300
caaatccnnt gnggggttggg ggnggggaaa aaaaaaaccc cnaaaaantg naaaaaaccg 360
ggnttnaaan atttgggttc gggggntttn tnttaa 396

<210> 43
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 43
ttttttttttt ttttgcttca ctgctttatt tttgaaatca caagcaattc aaagtgatca 60
tcattgaggc ttctgttaaa agttcttcca aagttgccca gttttaanat taaacaatat 120
tgcactttaa gatgaactaa cttttgggat tctcttcaaa gaaggaaagt attgctccat 180
ctgtgctttt cttanactaa aagcatactg canaaaactc tattttaaaa atcaacactg 240
cagggtacag taacatagta aagtacctgc ctattttana atcctanaga acatttcatt 300
gtaagaaact agcccattat ttaagtgtcc acagtatttt tcatttcant ggtccaagat 360
gccaaggttt ccaaacacaa tcttgttctc taatac 396

<210> 44
<211> 396
<212> DNA
<213> Homo sapien

<400> 44
gacctagttt tacctcttaa atatctctgt tccccttctaa gttgtttgct gtgttttctt 60
cagagcaaga aggttatatt ttttaaaatt tacttagtaa tgcacattca aaacacacat 120
caagtcttca ggataaagtt caaaaccgct gtcatggccc catgtgatct ctcccctccc 180
taccccctcta tcatttagtt tcttctgcgc aagccactct ggcttccttt cagttttgtg 240
gttcccgttt ttagctagtt cagtggtttt caatgggcat ttcttgcctt ttttttttcta 300
aacgacaaat agaaatacat cttctttatt atcctccaaa tccaattcag aggtaatatg 360
ctccacctac acacaatttt agaaataaat taaaaa 396

<210> 45
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 45
ttttttttttt ttttaaannt tntaaatttt taatgaaann ganttagaac aatgtattat 60
tnacatgtaa ataaaaaaag agancataan ccccatatnc tcnnnaaagg aaggganacn 120

gcnggccntt tatnagaana nnnnncatat aagaccccat taagaagaat ctggatctaa 180
anacttncaa acaggagttc acagtangtg aacagcannc cctaatccca ctgatgtgat 240
gnttcanata aaatcancan cgntgatcgg gnatcnnanc aatntgancg gaanannact 300
gctcnatatn tttnaggann cngatgtggt catttttttac aaagataatg gccacaccct 360
tccngnccga atcgancnga nctcccnntt ctgtgn 396

<210> 46
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 46
ttttttttttt ttttttttttc tganacagag tctcattctg ttgcctaggc tggattgcag 60
tggtgccatc tcggctcact gcaacctccg cctcctgggt tccanaaatt ctcctgcctc 120
agcctcccgg gtagctggga ctanaggcac acgccaccac gccaggctaa tttttatatt 180
tttagtanan atggcgtttc accatgttga ccanactgat ctcgaactcc cgacctcgtg 240
atccacccac ctcggcctcc caaagtgctg ggattacagg cgtgaaacca ccaggcccgg 300
cctgaaatat ctatttnttt tcagattatt tttaaaattc catttgatga atcttttaaa 360
gtgagctana naaagtgngt gtgtacatgc acacac 396

<210> 47
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 47
ttttttttttt tttttttgct gttgccaact gtttattcag ggccctgaac gggtggtgcg 60
tggacatgca acacactcgg gcccacagca gcgtgaccgg ccgctcccaa gccccgggcg 120
cacaaccaca gccaggagca gccccctgcca ccactgggcc accgtccagg gccccacagg 180
accagccgaa ggtgccccgg gccgaggcca gctgggtcag gtgtaccccct agcctggggt 240
tgagtgagga gcggcacccc cagtatcctg tgtaccccaa gttgcccagn aggccgaggg 300
ggccttgggc tccatctgca ctggccaccc cgtgccaagc atcacagctg cgtgagcagg 360
tttgtgtgtg agcgtgtggc ggggcctggt tgtccc 396

<210> 48
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 48
ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60
ccctcaagca aatgcaaaga tgctcaacac ccttagtcat caagaaaatg caaatggaat 120

ccacagagag atactgcaca ctgacaaaga tggtcgtatt actaaaggtg aataaccagc 180
gcgggggca cgtggagtca ctggaacatt tgtgcaatgc tggtgggaat gtcaacccgt 240
gcggccctct ggaataagcc tggcagctcc tccaagagtt acccgtgtga cccagcaatt 300
ccactcctag ctccacccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360
aaagttcacg gcagcatcct tcgccatagt ggnaan 396

<210> 49
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 49
accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60
cggncaagtn caccactact ggncatntga tntataaatg cggnggcatc gacanaanaa 120
ccatngnaan atttganaag gaggctgctg atatnggaaa gggctccntc nantntgcct 180
gggtcttgga tnaactgaaa nctgancntg aacgtggnnt caccattgat atctncttgt 240
ggaaatntna gaccancann tactatgtna ctatcattga tgccccagga cacaganact 300
ttatcnaaan catgattacn nggacatnta nagctgactg tgctngcctg attgtngctg 360
ctggtgttgg tgaatttgaa nctggtatnt ccaana 396

<210> 50
<211> 396
<212> DNA
<213> Homo sapien

<400> 50
cgacttcttg ctggtgggtg gggcagtttg gtttagtgtt atactttggt ctaagtattt 60
gagttaaact gctttttttgc taatgagtgg gctggttgtt agcaggtttg ttttttcctgc 120
tgttgattgt tactagtggc attaactttt agaatttggg ctggtgagat taattttttt 180
taatatccca gctagagata tggcctttaa ctgacctaaa gaggtgtgtt gtgatttaat 240
ttttttcccgt tccttttttct tcagtaaacc caacaatagt ctaaccttaa aaattgagtt 300
gatgtcctta taggtcacta cccctaaata aacctgaagc aggtgttttc tcttggacat 360
actaaaaaat acctaaaagg aagcttagat gggctg 396

<210> 51
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 51
ttttttttttt ttcagcgngg atttatttta tttcattttt tactctcaag anaaagaana 60
gttactattg caggaacaga catttttttta aaaagcgaaa ctcctgacac ccttaaaaca 120
gaaaacattg ttattcacat aataatgngg ggctctgtct ctgccgacag gggctgggtt 180
cgggcattag ctgtgccgtc gacaatagcc ccattcaccc cattcataaa tgctgctgct 240
acaggaaggg aacagcggct ctcccanaga gggatccacc ctggaacacg agtcacctcc 300
aaagagctgc gactgtttga naatctgcca anaggaaaac cactcaatgg gacctggata 360
acccaggccc gggagtcata gcaggatgtg gtactt 396

<210> 52
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 52
acctcgctaa gtgttcgcta cgcggggcta ccggatcggt cggaaatggc agaggtggag 60
gagacactga agcgactgca nagccagaag ggagtgcagg gaatcatcgt cgtgaacaca 120
gaaggcattc ccatcaagag caccatggac aaccccacca ccacccagta tgccagcctc 180
atgcacagnt tcatcctgaa ggcacggagc accgtgcgtg acatcgaccc ccagaacgat 240
ctcaccttcc ttcgaattcg ctccaagaaa aatgaaatta tggttgcacc agataaagac 300
tatttcctga ttgtgattca gaatccaacc gaataagcca ctctcttggc tccctgtgtc 360
attccttaat ttaatgcccc ccaagaatgt taatgt 396

<210> 53
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 53
ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt 60
ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt 120
ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt 180
ttttttttnt ttttttttnt ttttttttnt ttttttttnt ttannttntt ttttnttttn 240
cctttntttt aattcanaaa aagaanaaga aaanataana nnnancnnan nnnnnnnatn 300
ntncttnata ntnnttnnnn nanngggnnn gcgagnnnnn nnnnnnnnnn nntctnnnnt 360
tnnnnnnctt gcncccccttn nnttngnnnn angcaa 396

<210> 54
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 54
ctcttggggc tgctgggact cgcgtcggtt ggcgactccc ggacgtaggt agtttgttgg 60
gccgggttct gaggccttgc ttctctttac ttttccactc taggccacga tgccgcagta 120
ccagacctgg gaggagttca gccgcgctgc cgagaagctt tacctcgctg accctatgaa 180
ggcacgtgtg gttctcaaat ataggcattc tgatgggaac ttgtgtgtta aagtaacaga 240
tgatttagtt tgtttggtgt ataaaacaga ccaagctcaa gatgtaaaga agattgagaa 300
attccacagt caactaatgc gacttatggt agccaaggaa gcccgcaatg ttaccatgga 360
aactgantga atggtttgaa atgaagactt tgtcgt 396

<210> 55
<211> 396
<212> DNA
<213> Homo sapien

<400> 55
cgacggtttg ccgccagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60
aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc 120
actactggcc atctgatcta taaatgcggt ggcatcgaca aaagaaccat tgaaaaattt 180
gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt cttggataaa 240
ctgaaagctg agcgtgaacg tggtatcacc attgatatct ccttgtggaa atttgagacc 300
agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360
attacaggga catctcaggc tgactgtgct gtcctg 396

<210> 56
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 56
ttttttttct ttttttctca tttaactttt ttaatgggtc tcaaaattct gtgacaaatt 60
tttggtcaag ttgtttccat taaaaagtac tgattttaaa aactaataac ttaaaactgc 120
cacacgcaaa aaanaaaacc aaagnggtcc acaaaacatt ctcctttcct tctgaaggtt 180
ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatg gccaattgaa 240
acaaacagtt ctganaccgt tcttccacca ctgattaana gtggggtggc aggtattagg 300
gataatattc atttagcctt ctgagctttc tgggcanact tggngacctt gccagctcca 360
gcagccttnt tgtccactgc tttgatgaca cccacc 396

<210> 57
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 57
ccttttttnt ttttttttnt ttttttttnt ttttttttnt ttttttttnt tnaaaanntt 60
ntttttgcaa anccnancaa aaanggnngg aangaaaaan nggaaaaatt ntttttncnt 120
ntttgggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaanngn tgaannaaag 180
gnnanncccn gntncttnnn tttaaaaana anggggnngn tttttttaa anaanatttt 240
ttttttccct aanancnncn anntgaaacn ngncccnacn nctnncttna aagggnnnaa 300
atnanangnn aaaaaanccc tnancccccc cccttannt tncnannana naaagncntt 360
ttgggncntg naaaaanaan cctttttnnt gcnttn 396

<210> 58
<211> 396
<212> DNA
<213> Homo sapien

<400> 58
cgacctcaaa tatgccttat tttgcacaaa agactgccaa ggacatgacc agcagctggc 60
tacagcctcg atttatattt ctgtttgtgg tgaactgatt ttttttaaac caaagtttag 120
aaagaggttt ttgaaatgcc tatggtttct ttgaatggta aacttgagca tcttttcact 180
ttccagtagt cagcaaagag cagtttgaat tttcttgtcg cttcctatca aaatattcag 240
agactcgagc acagcaccca gacttcatgc gcccgtggaa tgctcaccac atgttggtcg 300
aagcggccga ccactgactt tgtgacttag gcggctgtgt tgcctatgta gagaacacgc 360
ttcaccccca ctccccgtac agtgcgcaca ggcttt 396

<210> 59
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 59
ctttttttttt ttttttttttt tcagnggaaa ataactttta ttganacccc accaactgca 60
aaatctgttc ctggcattaa gctccttctt cctttgcaat tcggtctttc ttcagnggtc 120
ccatgaatgc tttcttctcc tccatggtct ggaagcggcc atggccaaac ttggaggngg 180
tgtcaatgaa cttaaggnca atcttctcca nagcccgccg cttcntctgc accancaagg 240
acttgcggag ggngagcacc cgcttnttgg ttcccaccac ncagcctttc agcatgacaa 300
agtcattggt cacttcacca tagnggacaa agccacccaa agggttgatg ctccttggca 360
aataggncat agtcacngga ggcattgtnc ttgatc 396

<210> 60
<211> 396
<212> DNA
<213> Homo sapien

<400> 60
acctcagctc tcggcgcacg gcccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttggagg gtgatcactc tacaccccca agtgcatatg ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatcaagac 180
caaaggtgtg gatgaggtca ccattgtcaa cattttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gaccaaaaag gaacttgcat cagcactgaa 300
gtcagcctta tctggccacc tggagacggt gattttgggc ctattgaaga cacctgctca 360
gtatgacgct tctgagctaa aagcttccat gaaggg 396

<210> 61
<211> 396
<212> DNA
<213> Homo sapien

<400> 61
tagcttgtcg gggacggtaa ccgggacccg gtgtctgctc ctgtcgcctt cgcctcctaa 60
tccctagcca ctatgcgtga gtgcatctcc atccacgttg gccaggctgg tgtccagatt 120
ggcaatgcct gctgggagct ctactgcctg gaacacggca tccagcccga tggccagatg 180
ccaagtgaca agaccattgg gggaggagat gactccttca acaccttctt cagtgagacg 240
ggcgctggca agcacgtgcc ccgggctgtg tttgtagact tggaacccac agtcattgat 300
gaagttcgca ctggcaccta ccgccagctc ttccaccctg agcagctcat cacaggcaag 360
gaagatgctg ccaataacta tgcccgaggg cactac 396

<210> 62
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 62
tcgacgtttc ctaaagaaaa ccactctttg atcatggctc tctctgccag aattgtgtgc 60
actctgtaac atctttgtgg tagtcctgtt ttcctaataa ctttgttact gtgctgtgaa 120
agattacaga tttgaacatg tagtgtacgt gctgttgagt tgtgaactgg tgggccgtat 180
gtaacagctg accaacgtga agatactggt acttgatagc ctcttaagga aaatttgctt 240
ccaaatttta agctggaaag ncactggant aactttaaaa aagaattaca atacatggct 300
ttttagaatt tcnttacgta tgttaagatt tgngtacaaa ttgaantgtc tgtnctganc 360
ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 63
ttnttttttt nttttntntt ttntcnttgn ttgnacngaa cccggcgctn nttccccacn 60
nnnnacggcc gcccntattc annnntncnt canntannna ccgcaccctc ggactgcnnn 120
tngggccccg ccgncnannc nccnncnccc anttcnccgc cgccgccgcc gccttttttt 180
attggcnncc atnanaaccg gggncacctc ncangngcgc cnaaantngg ggcangactc 240
anaggggccc atcaaccncc aagnncaanc tgganctcta caaacggcct acgntttntg 300
nccatgnggg tagggnttta cccgcnatga tgannatgnn aanaactttn ncaanccctt 360
tattaaccaa tgnggtgngg agacggaacn tggtta 396

<210> 64
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 64
tcgacgtcgg ggtttcctgc ttcaacagtg cttggacgga acccggcgct cgttccccac 60
cccggccggc cgcccatagc cagccctccg tcacctcttc accgcaccct cggactgccc 120
caaggccccc gccgccgctc cagcgccgcg cagccaccgc cgccgccgcc gcctntnctt 180
agtcgccgcc atgacgaccg cgtccacctc gcaggtgcgc cagaactacc accaggactc 240
agaggccgcc atcaaccgcc agatcaacct ggagctctac gcctcctacg tttacctgtc 300
catgtcttac tactttgacc gcgatgatgt ggctttgaan aactttgcca aatactttct 360
tcccaatctc atgaggagaa ggaacatgct ganaaa 396

<210> 65
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 65
ttttttttttt ttttttttttt ttttnacca ataatgcttt tattttccac atcaanatta 60
atttatatgt tagttttagt acaagtacta aaatgtatac ttnttgccct aatagctaag 120
gnatacataa gcttcaccat acatnttgca nccncctgtc tgtcctatgt cattgttata 180
aatgtanana ttttaggaaa ctnttttatt caacctggga catntatact gtaggagtta 240
gcactgacct gatgtnttat ttaaaagtaa tgnatattac ctttacatat attccttata 300
tattnaaacg tatttccatg ttatccagct taaaatcaca tggnggttaa aagcatgagt 360
tctgagtcaa atctggactg aaatcctgat gctccc 396

<210> 66
<211> 396
<212> DNA
<213> Homo sapien

<400> 66
tcgacttttt tttttccagg acattgtcat aatttttttat tatgtatcaa attgtcttca 60
atataagtta caacttgatt aaagttgata gacatttgta tctatttaaa gacaaaaaaa 120
ttcttttatg tacaatatct tgtctagagt ctagcaaata tagtaccttt cattgcagga 180
tttctgctta atataacaag caaaaacaaa caactgaaaa aatataaacc aaagcaaacc 240
aaaccccccg ctcaactaca aatgtcaata ttgaatgaag cattaaaaga caaacataaa 300
gtaacttcag cttttatcta gcaatgcaga atgaatacta aaattagtgg caaaaaaaca 360
aacaacaaac aacaaacaaa acaaaacaaa caaaca 396

<210> 67
<211> 396
<212> DNA
<213> Homo sapien

<400> 67
acgcttttgt ccttcatttt aactgttatg tcatactgtt atgttgacat atttctttat 60
aagagaatag aggcaaaagt atagaactga ggatcatttg tatttttgag ttggaaatta 120
tgaaacttca ccatattatg atcatacata ttttgaagaa cagactgacc aaagctcacc 180
tgtttttttgt gttaggtgct ttggctgaac ttgattccag ccccctttc cctttggtgt 240
tgtgtatgtc tcttcatttc ctctcaaatc ttcaactctt gccccatgtc tccttggcag 300
caggatgctg gcatctgtgt agtcctcata ctgtttactg ataacccaca aattcatttt 360
catggcagac ctaagctcag accctgcctt gtcctg 396

<210> 68
<211> 396
<212> DNA
<213> Homo sapien

<400> 68
acctgagtcc tgtcctttct ctctccccgg acagcatgag cttcaccact cgctccacct 60
tctccaccaa ctaccggtcc ctgggctctg tccaggcgcc cagctacggc gcccggccgg 120
tcagcagcgc ggccagcgtc tatgcaggcg ctgggggctc tggttcccgg atctccgtgt 180
cccgctccac cagcttcagg ggcggcatgg ggtccggggg cctggccacc gggatagccg 240

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ggggtctggc aggaatggga ggcatccaga acgagaagga gaccatgcaa agcctgaacg      300
accgcctggc ctcttacctg gacagagtga ggagcctgga gaccgagaac cggaggctgg      360
agagcaaaat ccgggagcac ttggagaaga agggac                                396

      <210> 69
      <211> 396
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(396)
      <223> n = A,T,C or G

      <400> 69
ntcncngnng ntgtggtnnt tttttaatt tttatntttt cttttttttt ctngctagcn       60
cttnctttt ttggaattnc ggtnccttt tntntcnatt ttttngacaa aaanaacctn        120
ttntttnana ccanagnnng gnncacncnt nnaatntncc ccttttncgn tngggagctn      180
cncnttnnnc gccnacntca ntcgagacng tncttttnnn tnnancannn tnngtncgtt      240
gncngcnttn ntncannant nttccctatn nacntgnnnt cncncatnnt tggacnancn      300
cctagccttn ccatnntttn nttntttntn natnancctn gaaaacntcn gnntnttcnc      360
nncnttnccn cncncncctt cntatgtncn atgncn                                396

      <210> 70
      <211> 396
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(396)
      <223> n = A,T,C or G

      <400> 70
tttttttttt ttttnttttt tttttttttt ttttttntt tttttttttt ttttttntnc       60
aannnntnaa cttttaanng gccnccngcn ccccaanggg gaccctgctt ttgnnggcta      120
aatgccnnaa aactttgggg nantnggtat naaaccccnc tttgcccnnc annttncngg      180
gggggggggg tttttgnngg ggaacangna naacnttttn ncnanggnat caccaaaaan      240
aaagcccnnc cctttttccn annggggggg ggngggggga aantcanccc ccanattgac      300
cttnatttca aaanggggct tataatcctg ggcntggann cttccctnta cccgggggtt      360
gnccacnttt tattanaggg gnangnggat ccccnt                                396

      <210> 71
      <211> 396
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(396)
      <223> n = A,T,C or G

      <400> 71
gcatctagag ggccngttta ntctagaggn ccngnntaaa cnnnnncatc nacctncnnt      60
gcncctgctn gttgccnccc ntctgtgnct tgcnnnnccc nngagcgtnc cttnaccnnn      120
gaangtgcct nnnnnactga nnnnnncnna taanatgngg anantncgtc gncattntnt      180
natnnggggt gatgctattc tgggggtgg ggnggngnna tnnnatactn nggggacgtn       240
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nnatnangag nnatntcnng nttntctnnt gntttntggg gggcnatnng nnntctntnn 300
ggactcntcg cncannnatc aatancttna ttcngtgtan ngtccgnccn tagnncgcn 360
ngtactnnan ngttgnnntc attactnttc gtnngg 396

<210> 72
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 72
tnttttttttt tttctaaaac atnactnttt attnnnnang ntttntgaac ctctnngcnt 60
natggtgaga gtttgtctga ttaataanaa tnggannntt nannanangc ntgnncgcaa 120
ngatggcnnc nctgtatatc ccaccatccc attacactnt gaacctttn tttgattaat 180
aaaaggaagg natgcgggga angggaaag agaatgcttg aacattncca tgngnccttn 240
gacaaacttt ccaatggagg cnggaacnaa nnaccaccan ncaactcccc tttttgtaat 300
ttnnnaactt ncaacnncta nctntttatt ttggcntccc tggnngaaac agnctgtatn 360
annnnnaagn ccntgagaac atccctggnt nncnna 396

<210> 73
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 73
ntcaacntng actnctgtga ggnatggtgc tgggngcnta tgcngtgngn ttttggatac 60
naccttatgg acantngcnn tcccnnggaa ngatnataat ncttactgna gnnactnnaa 120
nnttccntnt cnaaaangtt naaaancatt ggatgtgcca caatgatgac agtttatttg 180
ctactcttga gtgctataat gatgaagatc ttanccacca ttatcttaac tgangcaccc 240
aanatggtga nttggggaac atatanagta cacctaagtt cacatgaagt tgtttnttcc 300
caggnnctaa agagcaagcc taactcaagc cattgncaca caggtgagac acctctattt 360
tgtacttctc acttttaagg gattagaaaa tagcca 396

<210> 74
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 74
cctttttttt tttttttact gngaatatat actttttatt tagtcatttt tgtttacaat 60
tgaaactctg ggaattcaaa attaacatcc ttgcccgtga gcttcttata gacaccanaa 120
aaagtttcaa ccttgtgttc cacattgttc tgctgtgctt tgtccaaatg aacctttatg 180
agccggctgc catctagttt gacgcggatt ctcttgccca caatttcgct tgggaagacc 240

aagtcctcaa ggatggcatc gtgcacagct gtcagagtac ggctcctggg acgcttttgc 300
ttatttttg tacggctttt tcgagttggc ttaggcagaa ttctcctctg agcgataaag 360
acgacatgct tcccactgaa ctttttctcc aattcg 396

<210> 75
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 75
ttttttttt tttnttttt ttttttttt ttttttnaa ntntaanggg ganggcccct 60
ttttttaaa ctngnccntt ttnctttcct tttttnaaaa ggaaaaaaaa annttttttt 120
ttcnttnaaa aacccttttt cccacnaaca aaaaaaaccn ttcccentnc cttttnnnna 180
aaaaaaaggg gctnggnntt tccccttann caaaaaaccn tntccnnggg naaaaaantt 240
ntcnccgggg gggaaacnnn tgggggtgtn nccnaaattt gggggccntc ggaaggggg 300
nnccncncct aaagangtnt ttcaaaanaa aaacccccnt cctnttntaa aaanaaaana 360
aaanaangnn ngnnttttttt ntcnttnncc ccccaa 396

<210> 76
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 76
acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaatatt ttcattttgg 60
atattctcct gtttttatta aaccagngat tacnnctggc cntcnctnta aatgttctag 120
gaaggcatgt ctgttgtnnt ttnnnnaaaa nnaaattntt tttttttngn naaaccccaa 180
atcccanttt atcaggaagt tagncnaatg aaatggaaat tggntaatgg acaaaagcta 240
gcttgtaaaa aggaccaccc nnccacnngn ctttaccccc ttggttngtt gggggaaaaa 300
ccatnnttaa ccntntggnn aaaattgggn ncntaaagtt tncntggnna acagtncntn 360
cngtattnaa ttgncnttat nggaaaatcn gggatt 396

<210> 77
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 77
ttttttttt tttttttttt ttttttttt tatcaacatt tatatgcttt attgaaagtt 60
ganaanggca acagttaaat ncngggacnc cttacaattg tgtaaanaac atgcncanaa 120
acatatgcat ataactacta tacaggngat ntgcaaaaac ccctactggg aaatccattt 180
cattagttan aactgagcat ttttcaaagt attcaaccag ctcaattgaa anacttcagt 240

gaacaaggat ttacttcagc gtattcagca gctanatttc aaattacnca aagngagtaa 300
ctgngccaaa ttcttaaaat ttntttaggg gnggtttttg gcatgtacca gtttttatgt 360
aaatctatnt ataaaagtcc acacctcctc anacag 396

<210> 78
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 78
agctggcnaa aggngnatgn gctgcnangc gattangnnn ggtaacgtca nnggntnncc 60
agtgcangac nttgtaaaac gacggccaca tgaattgtaa tacgactcac tatngggcgn 120
attgggccgt gnaggatngt gntcacactc gaatgtatnc tggcngatnc ananngcttt 180
atngctnttg acggngnntn anccanctng ggctttaggg ggtatcccct cgcccctgct 240
tcnttgattt gcacgggcnn ctccganttc cttcataata ccngacgctt cnatccccta 300
gctcngacct ntcantntnt tcnntgggtt ntnnccgntc acngcttncc cgnangntat 360
aatctnggct cctttnggga tccattantc tttact 396

<210> 79
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 79
caccaaccaa aacctggcgc cgttggcatc gtagagtgaa cacaacccaa aaacgatacg 60
ccatctgttc tgccctggct gcctcagccc taccagcact ggtcatgtct aaaggncatc 120
gtattgagga agttcctgaa cttcctttgg tangttgaag ataaagctga aggctacaag 180
aagaccaang aagntgtttt gctccttaan aaacttanac gcctggaatg atatcaaaaa 240
ngctatgcct ctcagcgaat gagactggan angcaaaatg agaaaccntc nccgcatcca 300
gcgnaggggc cgtgcatctc tatnntgang atnntggnan cnttcaaggc cttcagaacc 360
tccctngaaa tnctctnctt taangaacca aactgn 396

<210> 80
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 80
tgtacatagg catcttattc actgcaccct gtcacaccca gcaccccccg ccccgcacat 60
tatttgaaag actgggaatt taatggttag ggacagtaaa tctacttctt tttccaggga 120
cgactgtccc ctctaaagtt aaagtcaata caagaaaact gtctattttt agcctaaagt 180
aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaacaa gtaaaataac 240

ttgacatgag cacctttaga tccttccctt catggggctt tgggcccaga atgacctttg 300
aggcctgtaa anggattgna atttcctata agctgtatag tggagggatt ggngggtcat 360
ttgagtaagc cctccaagat acnttcaata cctggg 396

<210> 81
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 81
gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg cccctctcat tccacttcca 60
acccctccca ttattccagt actacctcag caatttgtgc cccctacaaa tgttagagac 120
tgtatacgcc ttcgaggtct tccctatgca gccacaattg aggacatcct gcatttcctg 180
ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccagggn 240
ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300
cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgtcagctga 360
nganagaaca ttgnngtann ngggggnact ttaaat 396

<210> 82
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 82
gactcagaaa tgtcagtctc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60
agcagccgca gccaagcaag taacttgtaa aatgaggaat gccatcaccc ctcgagtgtc 120
catcccacat aacttggggt tagagcacaa gcgttcccag gaactactca ccttaccatc 180
ttggccgttt catttgcttc caccagttct ggaaagagan ggcctagaag ttcaaaaaaa 240
aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300
ngaagtacnc tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360
atttccacca cggaatgacc agtgctttgg gtaana 396

<210> 83
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 83
tttgatttaa ganatttatt atttttttaa aaaaagcaac ttccagggtt gtcattgtac 60
aggttttgcc cagtctccta tagcatggta tagtgataac tgatttttta taacaatgac 120
tcagaggcat tgaagatcca taactatctt ctgaattatc acagaaagaa gaaagttaga 180
agagtttaat gttaagtgta ttaaaaatca tattctaatt cttttaattt ggttatctga 240

gtatgataat ataggagagc tcagataaca aggaaaaggc attggggtaa gaacactcct 300
tcccacagga tggcattaac agacttttc tgcatatgct ttatatagtt gccaactaat 360
tcacctttta cncagcttna ttttttttta ctnggg 396

<210> 84
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 84
tttttacagc aatttttttt tattgatgtt taacctgtat acaaccatac ccattttaag 60
ngtacagaca aatgaatttt gacaaattca ttcactcatc taatcatcac tataaccatg 120
atacagattt ttatcactcc aaaagtccat cctgtgctct tttcaagtcc atcctcctca 180
tctgataccc caagccacca ttgttttgct ttctggaact acagttttgg gnttttagaa 240
tttcatatat ggtngaatca taccatttgn natttggggc tgacgncttt cctccaataa 300
tggatttgag aattatctac attttgcatg gatcctgggt tatttatacc aacnangggt 360
tattatgnaa aatnggacca caatttggng gcanta 396

<210> 85
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 85
cagtgaccgt gctcctaccc agctctgctc cacagcgccc acctgtctcc gcccctcggc 60
ccctcgcccg gctttgccta accgccacga tgatgttctc gggcttcaac gcagactacg 120
aggcgtcatc ctcccgctgc agcagcgcgt ccccggccgg ggatagcctc tcttactacc 180
actcacccgc agactccttc tccagcatgg gctcgcctgc aacgcgcagg acttctgcac 240
ggacctggcc gctccagtgc caacttcatt ccacggcact gcatctcgac canccggact 300
tgcannggtt ggggaanccg cccttgtttc tccgtggccc atctaanacc aaaccccntca 360
ccttttcgga gncccccnccc ctccgntggg nttact 396

<210> 86
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 86
ttttnnactg aatgtttaat acatttgnag gaacagaaga aatgcagtan ggattaanat 60
tttataatta gacattaatg taacagatgn ttcatttttc aaagaagntn ccccccttntc 120
cctatctttt tttaatcttc cttanagcaa taantagtaa ttactatatt tgtggacaag 180
ctgctccact gtgntggaca gtaattatta aatctttatg tttcacatca ttattacctt 240

ccanaattct accttcattt ccctgcacag gttcactgga ctggntcaca ancaaattgn 300
actccactca antanaagag cccaaagaaa ttagagtaac gncnantcct atgaattana 360
gacccaaaga tttnaggngn tgattagaaa cataan 396

<210> 87
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 87
atggaggcgc tggggaagct gaagcagttc gatgcctacc ccaagacttt ggaggacttc 60
cgggtcaaga cctgcggggg cgccaccgtg accattgtca gtggccttct catgctgcta 120
ctgttcctgt ccgagctgca gtattacctc accacggagg tgcatcctga gctctacgtg 180
gacaagtcgc ggggagataa actgaagatc aacatcgatg tacttttttcc ncacatgcct 240
tgtgcctatc tgagtattga tgccatggat gtggccngag aacancagct ggatgnggaa 300
cacaacctgt ttaagccacc actagataaa gatgcatccc ngtgagctca nagctgagcg 360
gcatgagctt gngaaantcn aggtgaccgg gtttga 396

<210> 88
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 88
tccagagcag agtcagccag catgaccgag cgccgcgtcc ccttctcgct cctgcggggc 60
cccagctggg accccttccg cgactggtac ccgcatagcc gctcttcgac caggccttcg 120
ggctgccccg gctgccggag gagtggtcgc agtggttagg cggcagcagc tggccaggct 180
acgtgcgccc cctgcccccc gccgcatcga gagccccgca gtggccgcgc ccgctacagc 240
cgcgcngctc agccggcaac tcacancggg gctcggagat ccgggacact gcggaccgct 300
ngcgcgtgcc ctggatgtca ccactttngc ccggacaact gacggtnana caaggatggg 360
gggtgganan nccngtaanc caagaanggg naggac 396

<210> 89
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 89
gagagaacag taaacatcca gccttagcat ctctcangag tactgcagat cttcattagc 60
tatattcaca tggagnaatg ctattcaacc tatttctctt atcaaaacta attttgtatt 120
ctttgaccaa tgttcctaaa ttcactctgc ttctctatct caatcttttt ccccttctc 180
atctttcctc ctttttcag tttctaactt tcactggttc tttggaatgn tttttctttc 240

atctcttttc ttttacattt tggggtgtcc cctctctttt cttaccctct ttctncatcc 300
ttcttnttct tttgaattgg ctgcccttta tcntctcatc tgctgncatc ttcatttctc 360
ctccctcctn tttccnntca ttctactctc tcccnt 396

<210> 90
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 90
gggcgccggc gcgccccccc acccccgccc cacgtctcgt cgcgcgcgcg tccgctgggg 60
gcggggagcg gtcgggccgg cngcggtcgg ccggcggcag ggtggtgcgn tttcnttttn 120
nattnnccnc nttcttcttn nttnnncnnn ctnntanncn ntnncnttcn cnnnntttnc 180
tntntcttna ccnnnttttn taatcntctt ctncntnnnn tctcttnnat ntnttnctta 240
nttcctnnnn tttnttctnt cntttctcnc ctnnntctcn nnctcnncnc tcnncatttt 300
nntnttttnt nccttctnnt cttnnttctn ntnntnnttt nnnnttctnt tnntcatntt 360
ncctntntta ctntcanctt ntatnnncct cntttt 396

<210> 91
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 91
ntntcctnna tttttnnntc nnctttttttt tnnaattttt ctttnttttn tttataaaaa 60
tcnncacnta aaacngcgga anaggggatt tnttnttngg gngtancncn nggccncaaa 120
naaccccaaa aatancccaa aatgcacagg nccngggnaa angaccnacn tgggtntttt 180
ntttntnaac aagggggggtt ttaaagggna tnggnatcaa aggnataaa ntttaaacct 240
ttganaaatt ttttaanagg cttgcccccc actttggncc ccnccccncn gnngggatcc 300
aattttttttt cnttggggct cccngncccn nannttccgg gttnntggnc nntcctnntt 360
ttttttttt tgccttcacc cntnccattn cntttt 396

<210> 92
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 92
ctntttnnnt ntttttttcc ccatcatcca naaatgggtt ttattctcag ccgagggaca 60
gcaggactgg taaaaactgt caggccacac ggttgcctgc acagcacccc catgcttggt 120
agggggtggg agggatggcg gggctggnt gnccacaggc cgggcatgac aaggaggctc 180
actggaggtg gcacactttg gagtgggatg tcgggggaca ncttctttgg tanttgggcc 240

acaagattcc caaggatanc acnnnnactg attnccannc tanagncaag cggntggcca 300
tntgtangnn nttntntatn tgactattta tagatttta tanaacaggg naagggcata 360
ccncaaaagg gnccaanttt ttaccnccgg gcnccc 396

<210> 93
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 93
gctgccacag atctgttcct ttgtccgttt ttgggatcca caggccctat gtatttgaag 60
ggaaatgtgt atggctcaga tccttttga aacatatcat acaggttgca gtcctgaccc 120
aagaacagtt ttaatggacc actatgagcc cagttacata aagaaaaagg agtgctaccc 180
atgttctcat ccttcagaag aatcctgcga acggagcttc agtaatatat cgtggcttca 240
catgtgagga agctacttaa cactagttac tctcacaatg aaggacctgn aatgaaaaat 300
ctgnttctaa ccnagtcctn tttanatttt agngcanatc cagaccancg ncggtgctcg 360
agtaattctt tcatgggacc tttggaaaac tttcag 396

<210> 94
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 94
tgccttaacc agtctctcaa gtgatgagac agtgaagtaa aattgagtgc actaaacgaa 60
taagattctg aggaagtctt atcttctgca gtgagtatgg cccaatgctt tctgnggcta 120
aacagatgta atgggaagaa ataaaagcct acgtgttggt aaatccaaca gcaagggaga 180
tttttgaatc ataataactc atanngtgct atctgtcagt gatgccctca gagctcttgc 240
tgntagctgg cagctgacgc ttctangata gttagnttgg aaatggtctt cataataact 300
acacaaggaa agtcanccnc cgggcttatg aggaattgga cttaataaat ttagngngct 360
tccnacctaa aatatatctt ttggaagtaa aattta 396

<210> 95
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 95
cctcccaccc ncttanttca tgagattcga naatgncact tntgtgctnt ttnctnnttn 60
tattctnacn atttctttct tggngcggna nnaatcccnt ttttnngggc gnctctcccn 120
ncttntnntt tcntggngct ntccctttc nnnnnaaact tntacnnngt ttanaantnt 180
ttctgnangg gggnntccna aanantttt ccncctncct nattccnctc tnaannctcn 240

cnaattgttt ccccccccn ntagnntatt ttttctaaaa aattaactcc nacgganaaa 300
attttcccta aaatttcncc tccanatttn gaaaaaacnc gcccgganct nntntncgaa 360
tntnaatttt tnaaaaaaan ttatttttcat cnggnn 396

<210> 96
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 96
cctgggtacc aaatttcttt atttgaagga atggtacaaa tcaaagaact taagtggatg 60
ttttggacaa cttatagaaa aggtaaagga aaccccaaca tgcatgcact gccttggcga 120
ccagggaagt caccccacgg ctatggggaa attagcccga ngcttaactt tcattatcac 180
tgcttccaag ggngtgcttg gcaaaaaaat attccgccaa ccaaatcggg cgctccatct 240
tgcccagttg gtnccgggnc cccaattctt ggatgctttc ncctcttntt ccggaatgng 300
ctcatgaant cccccaanng gggcattttg ccagnggccn tttngccatt cnagnnggcc 360
tgatccattt tttccaatgt aatgccnctt cattgn 396

<210> 97
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 97
ctcaccctcc tcntnnttnt canaatattg ngaacttnnt nctgntcgaa tcactggcat 60
taaagganca ctagctaatg gcactaaatt tacnnactan ggaaactttt ttataatant 120
gcaaaaacat ntnaaaaaga ntgnagttcg cccatttctg cttnggaaga nctcttcact 180
tntaancccn natgnngncc tttgggtcaa aanctccgcg attattacng ngttncccnc 240
tatttgncct tcctttntcc ccaangccnc anatttcnna actttnccnt naaatgcctt 300
tatttnatnn cntttcnacn ncttaanntt ccctttnaan aangatccct ncttcaaatn 360
ntttcccngt tcctngcatt ncccnnnnat ttctct 396

<210> 98
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 98
acagggacaa tgaagccttt gaagtgccag tctatgaaga ggccgtggtg ggactagaat 60
cccagtgccg cccccaagag ttggaccaac caccccctac agcactgttg tgatacccc 120
agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180
aggcgaatgg ctcagagggg tncatggcca agaaggaagc cctggaagaa cttcaatcac 240

cttcggtttc gggaccaccg gcttgtgtcc ctgttctgac tgcanaactt ggcgcngtnc 300
cccattanaa cctntgactc nnccccttgct ataagnctgt tttggcccct gatgatgata 360
gggtttttat gangacactt gggcaccccc ttaatg 396

<210> 99
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 99
nttnttttttc cgncnaaagg gcaagngttt ncatctttcc tgnccncnca anannggtn 60
tntgtgcntt tnttttttcc caaaacccgg gtnggggaca ccttttgagg anccactnnt 120
cntccggggc nnnnttttag aaggngncta anaagcntct tgnnggggga aaaacatctt 180
tttgcncccn acatacccccc aaggggggggg ggtgtctggg agganactaa ngacttttnt 240
tttttnnccn caaanaactg anggccccca ttgctccccc cccantcttt aaaaaacccc 300
ttcaatttcc ttgncnggna aaaanggttg gnaaaaaang agngngcntc nnttncnttt 360
natggaaggn aaaaggtttt tggttgnaaa accccg 396

<210> 100
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 100
ctaacacggt gaaaccctgt ctctactaaa aatacaaaaa aattagccag gcgtggtggc 60
gggcacctgt agtcccagct gctcaggaag ctgaggcagg agaatggcgt gaacccagaa 120
ggcggagctt gcagtgagct gagatcgtgt cagtgcactc cagcctgggc gacagagcga 180
gactcccgct caaaaaaaaa aaaaaaaaga gaaaagaaaa agctgcagng agctgggaat 240
gggccctatc ccctccttgg ggatcaatga gacccctttt caaaanaaaa aaaaaaataa 300
tgngattttg gnaacatatg gcactggtgc ttcnnggaat tctgtttntn ggcatgnccc 360
cctntgactg nggaaaaatc cagcaggagg cccana 396

<210> 101
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 101
agttataact caacagttca tttatatgct gttcatttaa cagttcattt aaacagttca 60
ttataactgt ttaaaaatat atatgcttat agncaaaann tgttgtggcg nagttgttgc 120
cgcttatagc tgagcattat ttcttaaatt cttgaatgtt cttttggngg gntnctaaaa 180
ccgtatatga tccattttna tgggaaacng aattcntnnc attatcncac cttggaaata 240

cnnaacgtgg gggaaaaaaa tcattcccnc cntccaaaac tatacttctt ttatctngan 300
nttcttgntc ctgcncnggt ttngaatata nctgggcaaa nggntttncc aaatccntnt 360
acnntncttt gggaantanc ggcaantcnt cncttt 396

<210> 102
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 102
actatacata agaacangct cacatgggag gctggaggtg ggtacccagc tgctgtggaa 60
cgggtatgga caggtcataa acctagagtc agngtcctgt tggcctagcc catttcagca 120
ccctgccact tggagnggac ccctctactc ttcttagcgc ctaccctcat acctatctcc 180
ctnctcccat ctcctacgga ctggcgccaa atggctttcc tgccaatttt gggatcttct 240
ctggctctcc agcctgctta ctcctctatt tttaaagggc caaacaaatc ccttctcttt 300
ctcaaacaca gtaatgnggc actgacccta ccacacctca tgaagggggc ttgttgcttt 360
tatttgggcc cgatctgggg ggggcaaaat attttg 396

<210> 103
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 103
ttgtgttggg actgctgata ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 60
cccaacttca aagccacagc tggtatgcca natggtcagg ttaaagatat caacctgctg 120
actacaaagg aaaatatggt ggggtcttct tttaccctct tgacttccct ttgngngccc 180
cccgaganca ttgctttccg ngatagggca aaanaaatta aaaaacttaa ctggccagtg 240
aatggggctt ctgnggatct ccttctggca ttacatnggc aatccctaaa aaacaagang 300
actgggaccc ataacattct tttgnatcaa ccgaagcccc cattgttang atatngggct 360
taaangctga tnaagcatct cgtccgggcn ttttat 396

<210> 104
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 104
aagggagggc gcgccaagac cttcccactc gngcacactg ggggcgccga cangacgcaa 60
cccagtccaa cttggatacc cttggnttta gttctcggac acttctttta tctctccgtc 120
gcaacttgtc aagttctcaa nactgtctct ctgngntatc ttttttcttc gctgctcttc 180
nnccccccgac gtatttntca aaangtctgc aattgttgna tacntnganc tncaccactg 240

ttacnaggtc atnaatttcn cntcaactct ntnccncttg ttccctgata tntcggccgg 300
ngncnccaat tctgtatttt nctcntcaac gntctcactt ttncctcctc cnggccactt 360
tctccccttc cttattccgg cnttgtttgc cnccat 396

<210> 105
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 105
tcaatagcca gccagtgttc atttttatcc ttgagctttt agtaaaaact tcctggnttt 60
atttttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taacttttt 120
gtttttaatc caggccaaca tgtatgtaaa ttaaattttt agataattga ttatctcttt 180
gtactacttg agatttgatt atgagatgtg catattgctt tgggaagagc tcgaggaagg 240
aaataattct ctcctttggt ttgaacctca actagataaa ccctaggaat tgttaactgc 300
acaagnattt tcattccaca aaacctgagg cagctctttt gccagagcgt tcctgnaccc 360
ccccacccca cttgccttgg gtctttanaa ngagcc 396

<210> 106
<211> 396
<212> DNA
<213> Homo sapien

<400> 106
gctgtgtagc acactgagtg acgcaatcaa tgtttactcg aacagaatgc atttcttcac 60
tccgaagcca aatgacaaat aaagtccaaa ggcattttct cctgtgctga ccaaccaaat 120
aatatgtata gacacacaca catatgcaca cacacacaca cacacccaca gagagagagc 180
tgcaagagca tggaattcat gtgtttaaag ataatccttt ccatgtgaag tttaaaatta 240
ctatatattt gctgatggct agattgagag aataaaagac agtaaccttt ctcttcaaag 300
ataaaatgaa aagcaattgc tcttttcttc ctaaaaaatg caaaagattt acattgctgc 360
caaatcattt caactgaaaa gaacagtatt gctttg 396

<210> 107
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 107
ttcacagaac anggtggttt attatttcaa tagcaaagag ctgaaaaatg tcgggtccca 60
taaaggagca gaacctgacc cagagcctgc agtacatttc caccccacag gggtgcaggc 120
tgggccaggc agggccaaag gcagcagaaa tgggagtaag agactgtgcc cactgagaag 180
ctctgctggg tgtgggcagg tgggcatgan atgatgatga tgtagtgtaa ggaccaggta 240
ggcaaaacct gtcaggnttg ntgaatgtca nagtggatcc aaaaggctga gggggtcgtc 300
anaaggccgg nggncccncc cttgcccgta tgggccttca aaaagtatgc ttgctcatcc 360
gttgtttncc ccanggagct gccanggana aggctn 396

<210> 108

<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 108
gcctgctttt gatgatgtct acagaaaatg ctggctgagc tgaacacatt tgcccaattc 60
caggtgtgca cagaaaaccg agaatattca aaattccaaa ttttttttctt aggagcaaga 120
agaaaatgtg gccctaaagg gggttagttg aggggtaggg ggtagtgagg atcttgattt 180
ggatctcttt ttatttaaat gtgaatttca acttttgaca atcaaagaaa agacttttgt 240
tgaaatagct ttactgcttc tcacgtgttt tggagaaaan natcanccct gcaatcactt 300
tttgnaactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa 360
tgncctggnc ttttgaanga atacatgngt gntgct 396

<210> 109
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 109
ggccgtaggc agccatggcg cccagcccgg aatggcatgg tcttgaagcc ccacttccac 60
aaggactggc agcggcgcgt ggccacgtgg ttcaaccagc cggcccggaa gatccgcaga 120
cgtaaggccc ggcaagccaa ggcgcgccgc atcgctccgc gccccgcgtc gggtcccatc 180
cggcccatcg tgcgctgccc acggttcggt accacacgaa gggcgcgccg gcgcggnttc 240
agcctggagg agctcagggt ggccggattt acaagaagng gccngacatc ngtattcttg 300
ggatncnnga agnggaacaa gtcacngagt ccttgcagcc acntcagcgg ntgatgacac 360
cgttcnaact catctnttcc caagaaacct cngnnc 396

<210> 110
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 110
nntgggctcc tnncantnat aataaaccng actcatacnc cacaaggaga tgaacaggan 60
tatgtncatn ctgacgcgga aacagngcan ggagctgagg aggngccaag atgagaccta 120
nnggccnngg tgggcgcatt cccggnggag ggggccacta aggantacga nnntcnagcg 180
gctcttgnng gcngncctcc tcacncctgn ntattcgatt gtcncnnatg ncntcctatn 240
atnntcanna ttctntnntn atctcntnta cnncntcncn ttcatgntta cngntccctc 300
tcnttctnac cnttntctgn anctcctttc tnnnnctttc atctntnttc ngctttcttt 360
ctnnaatcnt nntttaacnt nntctncttt ntnatt 396

<210> 111

<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 111
taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn 60
tgtcccagng aatgncggct nattttcttt ccacattgng cncattcact cctcccactc 120
ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccan 180
angggtanan cntnttgnat ntcattccat tgatatacag ccactntttt atttttgatc 240
ancggccttc ggntcactgc ncanggtact tgacctcagt gtcactatta tgggntttgg 300
tttcnctctt ttncnggccn ttntntttcn cacnttncan cttncttnnt nnaaaannna 360
nncactctct cttgctctct ngatacnnng tctnaa 396

<210> 112
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 112
tcaacgtcac caattactgc catttagccc acgagctgcg tctcagctgc atggagagga 60
aaaaggtcca gattcgaagc atggatccct ccgccttggc aagcgaccga tttaacctca 120
tactggcaga taccaacagt gaccggctct tcacagtgaa cgatgttaaa gntggaggct 180
ccaagnatgg tatcatcaac ctgcaaagtc tgaagacccc tacgctcaag gtgttcatgc 240
acgaaaacct ctacttcacc aaccggaagg tgaattcggg gggctgggcc tcgctgaatc 300
acttggattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc 360
tgctcccacc atcactgntn gncaatantc acccag 396

<210> 113
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 113
nnnnttnnnn nggagcctta atttcagagt tttattgtat tgcactaaag gaacagcagg 60
atggntatac aattttctct cattcagttt tgaaaatctg tagtacctgc aaattcttaa 120
gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180
gtcttacaaa taaaaacaca tttaaaatag ctttaaatgc attcttcaca agtaattcag 240
catatatttt atatcatggt tacttatgct tangaattnn agcaggatnt ttattctttt 300
gatggaaata tgggaaaact ntattcatgc atatacangg ataatattca gcgaagggaa 360
aatcccgttt ttattttggn aatgattcat atataa 396

<210> 114

<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 114
aaatgggaca acgtgattct tttgttttaa ataaatactn agaacacgga cttggctcct 60
acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc cccncncagg 120
gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180
tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcggntggg 240
anaactacaa ctgnaatntc tcnaacggtn atggtcccca ccgatnaaga ttctacctng 300
tcttttcntc ccctggagtg tgagtgnnng aggaagaagc ccttncctta catcaccttt 360
tgnacttctg aacaaganca anacnatggc cccccc 396

<210> 115
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 115
ccgcctggtt cggcccgcct gcctccactc ctgcctctac catgtccatc agggtgaccc 60
agaagtccta caaggtgtcc acctctggcc cccgggcctt cagcagccgc tcctacacga 120
gtgggcccgg ttcccgcatc agctcctcga gcttctcccg agtgggcagc agcaactttc 180
gcggtggcct ggcggcggct atggtggggc cagcggcatg ggaggcatca cccgcagtta 240
cggcaaccag agcctgctga gccccttgcc tggaggngga ccccaacatc aagccgngcg 300
cacccaggaa aaggagcaga ncaagaccct caacaacaag nttgcttctt catagacaag 360
ggaccggtcc ttgaacagca naacaagatg ntggag 396

<210> 116
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 116
atctcagttt actagctaag tgactttggg caagggattt aacctctcgt ccctcagttt 60
cctcctatgt aaaatgacaa ggataatagt accaacccaa tgtagattaa atgagtttac 120
gaagtgttag aatagtgctt ggcacattag tgctttacaa ctgctatttt gattgttgtt 180
gtgggctctc tcaaatgcat tgtctctaga tgccagtgac ccaggtcaaa atttaccttt 240
aaccaagctg catgtttccc agactgntgc acagtcctct accctgagan aaagcttcca 300
cccaaggata cttttacttt ctgctggaaa actgatgagc aanggcaaca ngggacactt 360
atcgccaact ggaaangaga aattcttcct tttgct 396

<210> 117

<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 117
aaacattttt taataaaatt cctatagaaa gctcagtcat agggcaaata ctcagttctc 60
tttcccatat caccgaggat tgagagctcc caatattctt tggagaataa gcagtagttt 120
tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180
tattgcacat attaacatta cttgccccta gcaccctaaa tatatggnac ctcaacaaat 240
aacttaaaga tttccgtggg gcgcganacc atttcaattt gaactaatat ccttgaaaaa 300
aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanatc 360
tgaattcnga cttggnttta ttccataaat acggtt 396

<210> 118
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 118
accnncacct gntnnnttttt aacnattaca acttctttat atggcagttt ttactgggng 60
cctaacactc tctttactgn ctcaagngga agtccaaaca aatttcattt ttgtagtaaa 120
aaatctttat ttccaaaatg atttgttagc caaaagaact ataaaccacc taacaagact 180
ttggaagaaa gagacttgat gcttcttata aattccccat tgcanacaaa aaataacaat 240
ccaacaagag catggtaccc attcttacca ttaacctggn tttaannctc caaancnnga 300
tttaaaaatg accccactgg gcccaatcca acatganacc taggggggnt tgccttgatt 360
angaatcccc cttanggact ttatctnggc tganaa 396

<210> 119
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 119
atggccagct cactttaaat accacctcaa gactcatcga aatgaccgct ccttcatctg 60
tcctgcagaa ggttgtggga aaagcttcta tgtgctgcag aggctgaagg tgcacatgag 120
gacccacaat ggagagaagc cctttatgtg ccatgagtct ggctgtggta agcagtttac 180
tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240
tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300
ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagngg 360
angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120

<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 120
catgggtcag tcggtcctga gagttcgaag agggcacatt cccaaagaca ttcccagtca 60
tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg cttttagagt 120
tacattatgc ttggcatgaa taaggtgcca ggaaaacagt ttaaaattat acatcagcat 180
acagactgct gttagaaggt atgggatcat attaagataa tctgcagctc tactacgcat 240
ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300
atctctgngn agaacatttg attccattgn gaagaatgca gtttaaaata tctgaatgcc 360
atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 121
ttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60
aaaagggtta ataaacnttt actacatggc aaattatttt agctagaatg cttttggctt 120
caagncatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180
ataactgtaa tccccaaggg gaanagggtt gggtatgaca ggtacanggg gccagcccag 240
tnntnncana nncagactct taccntcttt ctgctgtgnc accctcaggc attggctcca 300
ttctcngggn tgcncatggg aagatggctt tggacntaac nacacccttt tgtncacgta 360
aaggccngat gcagggtcaa anagnttccn ccatnt 396

<210> 122
<211> 396
<212> DNA
<213> Homo sapien

<400> 122
gtcgacatgg ctgccctctg ggctcccaga acccacaaca tgaaagaaat ggtgctaccc 60
agctcaagcc tgggcctttg aatccggaca caaaaccctc tagcttggaa atgaatatgc 120
tgcactttac aaccactgca ctacctgact caggaatcgg ctctggaagg tgaagctaga 180
ggaaccagac ctcatcagcc caacatcaaa gacaccatcg gaacagcagc gcccgcagca 240
cccaccccgc accggcgact ccatcttcat ggccaccccc tgcggtggac ggttgaccac 300
cagccaccac atcatcccag agctgagctc ctccagcggg atgacgccgt ccccaccacc 360
tccctcttct tctttttcat ccttctgtct ctttgt 396

<210> 123
<211> 396
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 123
gcccttttt ttttttttt tttcctagtg ccaggtttat tccctcacat gggtggttca 60
catacacagc acanaggcac gggcaccatg gganagggca gcactcctgc cttctgaggg 120
gatcttggcc tcacggtgta anaagggana ggatggtttc tcttctgccc tcactagggc 180
ctagggaacc cagnagcaaa tcccaccacg ccttccatnt ctcagccaag ganaagccac 240
cttggtgacg tttagttcca accattatag taagtggana agggattggc ctggtcccaa 300
ccattacagg gtgaanatat aaacagtaaa ggaanataca gtttggatga ggccacagga 360
aggagcanat gacaccatca aaagcatatg caggga 396

<210> 124
<211> 396
<212> DNA
<213> Homo sapien

<400> 124
gaccattgcc ccagacctgg aagatataac attcagttcc caccatctga ttaaaacaac 60
ttcctccctt acagagcata caacagaggg ggcacccggg gaggagagca catactgtgt 120
tccaatttca cgcttttaat tctcatttgt tctcacacca acagtgtgaa gtgcgtggta 180
taatctccat ttcaaaacca aggaagcagc ctcagagtgg tcgagtgaca cacctcacgc 240
aggctgagtc cagagcttgt gctcctcttg attcctggtt tgactcagtt ccaggcctga 300
tcttgcctgt ctggctcagg gtcaaagaca gaatggtgga gtgtagcctc cacctgatat 360
tcaggctact cattcagtcc caaatatgta ttttcc 396

<210> 125
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 125
ccctttttt ttttttttt ttttttttt ttttttactt tgnaacaaaa atttattagg 60
attaagtcaa attaaaaaac ttcatgcncc nccncttgtc atatttacct gaaatgacaa 120
agttatactt agcttgagng naaaacttgn gccccaaaaa ttntgtttgg aaagcaaaaa 180
aataattgat gcncatagca gngggcctga tnccnccaca gngaatgttg tttaaggnct 240
aacaaacagg ggncancaaa gcatacatta cttttaagct ttgggnccaa ggaaaangtc 300
attccctacc tccttcaaaa gcaaactcat natagcctgg gcncctaggn ctggagcctn 360
ttttttcgag tctaanatga acatntggat ttcaan 396

<210> 126
<211> 396
<212> DNA
<213> Homo sapien

<400> 126
cgcgtcgact cgcaagtgga atgtgacgtc cctggagacc ctgaaggctt tgcttgaagt 60
caacaaaggg cacgaaatga gtcctcaggt ggccaccctg atcgaccgct ttgtgaaggg 120
aaggggccag ctagacaaag acaccctaga caccctgacc gccttctacc ctgggtacct 180
gtgctccctc agccccgagg agctgagctc cgtgcccccc agcagcatct gggcggtcag 240
gccccacgac ctggacacgc tggggctacg gctacagggc ggcatcccca acggctacct 300

ggtcctagac ctcagcatgc aagaggccct ctcggggacg ccctgcctcc taggacctgg 360
acctgttctc accgtcctgg cactgctcct agcctc 396

<210> 127
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 127
ttttttttttt ttggnggtaa aatgcaaatg ttttaaaata tgtttatttt gtatgtttta 60
caatgaatac ttcagcaaag aaaataatta taatttcaaa atgcaatccc tggatttgat 120
aaatatcctt tataatcgat tacactaatc aatatctaga aatatacata gacaaagtta 180
gctaatgaat aaaataagta aaatgactac ataaactcaa tttcagggat gagggatcat 240
gcatgatcag ttaagtcact ctgccacttt ttaaaataat acgattcaca tttgcttcaa 300
tcacataaac attcattgca ggagttacac ggctaatcat tgaaaattat gatctttgtt 360
agcttaaaag aaaattcagt ttaatacaaa gacatt 396

<210> 128
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 128
gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca 60
taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa 120
attctgcttt taaaaaggtg ccttaagtta accaagcatt ttgataacac attcaaattt 180
aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat 240
tcanaatacg ctttttacac aaagaactac aaaaagttac aaagacagcc ttcaggaacc 300
acacttagga aaagtgagcc gagcagcctt cacgcaaagc ctccttcaaa naagtctcac 360
aaagactcca gaaccagccg agtntgtgaa aaagga 396

<210> 129
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 129
gccctttttt ttttttttt ttttactcag acaggcaata tttgctcaca tttattctct 60
tgcatcgtaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta 120
aaataagatt aacagtgtaa gaaggaaaat ctcaaaaaaa gcanatagac aatgtanaaa 180
attgaaatga aatcccacag taanaaaaaa aaaacanaaa agtgcctatt taanaattat 240
gctacatgtg gaacttaact agaccatttt aanaaagacc aatttctaat gcaaattttc 300

tgaggttttc anatttttatt tttaaaatat gttatagcta catgttgtcn acncggccgc 360
tcgagtctan agggcccgtt taaacccgct gatcag 396

<210> 130
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 130
cgccctttttt ttttttttttt tanngnacgt gnctttattt ctggatgata taaaanaaaa 60
aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120
tcccacccgg ataaatagag acttctgtat gtcagtctac cctcccgccc ccataacccc 180
ctctgctata nacatactct gggtatatat tactctactc ggcaatagac atctcccgaa 240
aatagaattc ctgccctgac acctgactct tccctggccg catcanacca cccgccactg 300
tagcacactg gtgtccttgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360
cacatttgtc acatggctgc tgtgtccacc gtactt 396

<210> 131
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 131
gccctttttt ttttttttttt ttttttttttt ttcagtttac acaaaaacnc tttaattgac 60
agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120
tttacaaaca agtttntcan taaattccag tgtncttnaa accccnnncn annaaaacat 180
atatganccc ccagttcctg ggcaaactgt tgaacattca ctgcanacaa aaagaccanc 240
nccaaanagt catctgngnc ctccatgctg ngtttgcacc aaacctgagg gancagctag 300
ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360
tttccttggt ccctcantcc tgtnggagta agttcc 396

<210> 132
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 132
cgcgtcgacc gcggccgtag cagccgggct ggtcctgctg cgagccggcg gcccggagtg 60
gggcggcgnt atgtaccttc cacattgagt attcagaaag aagtgatctg aactctgacc 120
attctttatg gatacattaa gtcaaatata agagtctgac tacttgacac actggctcgg 180
tgagttctgc tttttctttt taatataaat ttattatgtt ggtaaattta gcttttggct 240
tttcactttg ctctcatgat ataagaaaat gtaggttttc tctttcagtt tgaattttcc 300

tattcagtaa aacaacatgc tagaaaacaa acttttggaa aggcattgta actatttttt 360
caaatagaac cataataaca agtcttgtct taccct 396

<210> 133
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 133
ntattacccc tcctggnnan ntggnnatan nctgcaaggn gatnnncccg nngaacttca 60
ctgatnnncc aatnaaaact gctttaaanc tgactgcaca tatgaattnt aatacttact 120
tngcgggagg ggtggggcag ggacagcaag ggggaggatt gggaanacaa tagacaggca 180
tgctggggat gcngcgggct ctatggcttc tgangcgnaa agaaccagct ggggctctag 240
ggggtatccc cacgcgccct gtagcngcnc attaaacgcg gcgggtgtgg nggttacttc 300
gcaaagngac cgatncactt gccagcgccc tagctgcccg ctcctttngc tttcttccct 360
tcctttctcg ccacnttnnc cggctntccc cgncaa 396

<210> 134
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 134
ttttttttnt ttctgctttt tatatgttta aaaatctctc attctattgc tgctttattt 60
aaagaaagat tactttcttc cctacaagat ctttattaat tgtaaaggga aaatgaataa 120
ctttacaatg ganacacctg gcanacacca tcttaaccaa agcttgaagt taacataacc 180
agtaatagaa ctgatcaata tcttgtgcct cctgatatgg ngtactaana aaaacacaac 240
atcatgccat gatagtcttg ccaaaagtgc ataacctaaa tctaatcata aggaaacatt 300
anacaaactc aaattgaagg acattctaca aagtgccctg tattaaggaa ttattcanag 360
taaaggagac ttaaaagaca tggcaacaat gcagta 396

<210> 135
<211> 396
<212> DNA
<213> Homo sapien

<400> 135
gcgtcgacgc tggcagagcc acaccccaag tgcctgtgcc cagagggctt cagtcagctg 60
ctcactcctc cagggcactt ttaggaaagg gtttttagct agtgtttttc ctcgctttta 120
atgacctcag ccccgcctgc agtggctaga agccagcagg tgcccatgtg ctactgacaa 180
gtgcctcagc ttccccccgg cccgggtcag gccgtgggag ccgctattat ctgcgttctc 240
tgccaaagac tcgtgggggc catcacacct gccctgtgca gcggagccgg accaggctct 300
tgtgtcctca ctcaggtttg cttcccctgt gcccactgct gtatgatctg ggggccacca 360
ccctgtgccg gtggcctctg ggctgcctcc cgtggt 396

<210> 136
<211> 396

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 136
ttatgcttcc ggctcgtntg ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa 60
acagctatga ccatgattac gccaagctat ttaggtgaca ctatagaata ctcaagctat 120
gcatcaagct tggtaccgag ctcggatcca ctagtaacgg ccgccagtgt gctggaattc 180
gcggncgntc nantctagag ggcccgttta aacccgctga tcagcctcga ctgtgccttc 240
tagttgccag ccatctgttg tttgcccctc ccccgtgcct tccttgaccc tggaaggtgc 300
cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 360
tcattctatt ctgggggggtg gggtggggca ggacan 396

<210> 137
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 137
ttttttttttt ttctgctttg tacttgagtt tatttcacaa aaccacggag aaagatactg 60
aaatggagct ctttccagcc tccaagcaag gaggccccag cagccagtct ccagcccctt 120
gagccctttt tgttaggccc acacccaaaa gagganaacc agtgtgtgcg cgaaggtaca 180
tggcaaggca cttttgaaaa catcccagtt taccgnggtg aaattgaact tactctgaaa 240
cagatgaaaa gggacatgca aaattgctga gcacatggag gtgtttgtta gtaggtgaaa 300
atcatgtcct gggtataacc cagcttctcc aggttagggt gagccgccgt ctggatcagt 360
ggtggcgggc cacacaccag gatgagcgtg gacttc 396

<210> 138
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 138
ccctttttttt ttttttttac aaatgagaaa aatgtttatt aagaaaacaa tttagcagct 60
ctcctttana attttacaga ctaaagcaca acccgaaggc aattacagtt tcaatcatta 120
acacactact taaggngctt gcttactcta caactggaaa gttgctgaag tttgtgacat 180
gccactgtaa atgtaagtat tattaaaaat tacaaattgt ttggtgatta ttttgatgac 240
ctcttgagca gcagctcccc ccaanaatgc ancaatggta tgtggctcac cagctccata 300
tcggcaaaat tcgtggacat aatcatcttt caccattaca gataaaccat attcctgaag 360
gaagccagtg agacaagact tcaactttcc tatatc 396

<210> 139
<211> 396

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 139
ccgccctttt ttttttttt ttcacaaaag cacttttttat ttgaggcaaa nagaagtctt 60
gctgaaagga ttccagttcc aagcagtcaa aactcaaccg ttagnggcac tattttgacc 120
tggtanattt tgcttctctt tggtcanaaa agggtattca ggttgtactt tccccagcag 180
ggtaaaaaga agggcaaagc aaactggaan anacttctac tctactgaca gggctnttga 240
natccaacat caagctanac acncccctcgc tggccactct acaggttgct gtcccactgc 300
tgagtgacac aggccatact acatttgcaa ggaaaaaaat gaggcaanaa acacaggtat 360
aggtcacttg gggacgagca ggcaaccaca gcttca 396

<210> 140
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 140
ttttttttttt ttttttttttt ttttttttctc atttaacttt tttaatgggn ctcaaaattn 60
tgngacaaat ttttggtcaa gttgtttcca ttaaaaagtn ctgattttaa aaactaataa 120
cttaaaactg ccncncccaa aaaaaaaaac caaaggggtc cacaaaacat tntcctttcc 180
ttntgaaggn tttacnatgc attgttatca ttaaccagtn ttttactact aaacttaaan 240
ggccaattga aacaaacagt tntganaccg ttnttccncc actgattaaa agnggggggg 300
caggtattag ggataatatt catttancct tntgagcttt ntgggcanac ttggngacct 360
tgccagctcc agcagccttn ttgtccactg ntttga 396

<210> 141
<211> 396
<212> DNA
<213> Homo sapien

<400> 141
acgccgagcc acatcgctca gacaccatgg ggaaggtgaa ggtcggagtc aacggatttg 60
gtcgtattgg gcgcctggtc accagggctg cttttaactc tggtaaagtg gatattgttg 120
ccatcaatga ccccttcatt gacctcaact acatggttta catgttccaa tatgattcca 180
cccatggcaa attccatggc accgtcaagg ctgagaacgg gaagcttgtc atcaatggaa 240
atcccatcac catcttccag gagcgagatc cctccaaaat caagtggggc gatgctggcg 300
ctgagtacgt cgtggagtcc actggcgtct tcaccaccat ggagaaggct ggggctcatt 360
tgcaggggggg agccaaaagg gtcatcatct ctgccc 396

<210> 142
<211> 396
<212> DNA
<213> Homo sapien

<400> 142
acgcaggaga ggaagcccag cctgttctac cagagaactt gcccaggtca gaggtctgcg 60

tagaagccct tttctgagca tcctctcctc tcctcacacc tgccactgtc ctctgcgttg 120
ctgtcgaatt aaatcttgca tcaccatggt gcacttctgt ggcctactca ccctccaccg 180
ggagccagtg ccgctgaaga gtatctctgt gagcgtgaac atttacgagt ttgtggctgg 240
tgtgtctgca actttgaact acgagaatga ggagaaagtt cctttggagg ccttctttgt 300
gttccccatg gatgaagact ctgctgttta cagctttgag gccttggtgg atgggaagaa 360
aattgtagca gaattacaag acaagatgaa ggcccg 396

<210> 143
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 143
ttttttttnt tttccatana aaataggatt tattttcaca tttaaggnga acacaaatcc 60
atgttccana aatgttttat gcataacaca tcatgagtag attgaatttc tttaacacac 120
anaaaaatca aagcctacca ggaaatgctt ccctccggag cacaggagct tacaggccac 180
ttntgttagc aacacaggaa ttcacattgt ctaggcacag ctcaagngag gtttgttccc 240
aggttcaact gctcctaccc ccatgggccc tcctcaaaaa cgacagcagc aaaccaacag 300
gcttcacagt aaccaggagg aaagatctca gnggggggaac cttcacaaaa gccctgagtt 360
gtgtttcaaa agccaagctc tggggtctgn ggcctg 396

<210> 144
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 144
ttttttttnt tttcgctctt tggtctgaca agaaaagagt tttaggtgtg tgaagtaggg 60
tgggaaaaaa ggtcagtttc aaattcagta acatatggta acactaagtt aggctgctgc 120
attcttttct ttgggtactt aagccagctg gcacttccac tttgtaacca attatattat 180
gatcaacaac taatcagtta gttcctcagc ttcaactgaa nagttcctga ttacctgatg 240
aaggacatac ttgctctggc ttcaattagc atgctgtcaa gcatccctct ccatgcttaa 300
catggcaaca caaaacccaa gagtccttct ntttttttca ttagccatga ataaacactc 360
acaaagggga agagtagaca ctgcttttag taaacg 396

<210> 145
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 145
ttttttttnt tttttttcaa tggatccgtt agctttacta ctaanatctt gctganatca 60

nanaagggct tctgggcagg ctgagcactg ggggtgtgca acatggtaac tctgaataan 120
anaaaccctg agttttactg ggcaaanaaa naacaagngg taggtatgat ttctgaacct 180
ggaaatagcg aaaatgaagg aaattccaaa agcgcgtatt tccaaataat gacaggccag 240
caagaggaca ccaaacctnt anaaagaggt attntttctt ccagctactg atggctttgg 300
catcccacag gcacattcct ttggccttca ggatcttana tgcanatgtg ganagtcaag 360
aggtaggctg actctgagtc ttcagctaaa ttcttt 396

<210> 146
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 146
ttttttttnt ttttcattag caaggaagga tttatttttt cttttgaggg gagggcggaa 60
cagccgggat ttttggaaca ctacctttgt ctttcacttt gttgtttgtg tgttaacacn 120
aataaatcan aagcgacttt aaatctccct tcgcaggact gtcttcacgt atcagngcan 180
acaanaaaac agtggcttta caaaaaanat gttcaagtag gctgcacttt gcctctgngg 240
gtgaggcaca ctgngggana nacaaggtcc cctgnaacca gaggngggaa ggacanagct 300
ggctgactcc ctgctctccc gcattctctc ctccatgtgt tttgaanagg gaagcaacat 360
gttgaggtct gatcatttct acccagggaa cctgtt 396

<210> 147
<211> 396
<212> DNA
<213> Homo sapien

<400> 147
acggggaagc caagtgaccg tagtctcatc agacatgagg gaatgggtgg ctccagagaa 60
agcagacatc attgtcagtg agcttctggg ctcatttgct gacaatgaat tgtcgcctga 120
gtgcctggat ggagcccagc acttcctaaa agatgatggt gtgagcatcc ccggggagta 180
cacttccttt ctggctccca tctcttcctc caagctgtac aatgaggtcc gagcctgtag 240
ggagaaggac cgtgaccctg aggcccagtt tgagatgcct tatgtggtac ggctgcacaa 300
cttccaccag ctctctgcac cccagccctg tttcaccttc agccatccca acagagatcc 360
tatgattgac aacaaccgct attgcacctt ggaatt 396

<210> 148
<211> 396
<212> DNA
<213> Homo sapien

<400> 148
acgtcccatg attgttccag accatgactc ttcctggttg tgggtttgtt acagagcagg 60
agaagcagag gttatgacag ttatgcagac tttccccctc ctttttctct tttctcttcc 120
ccttgctttt ccactgtttc ttcctgctgc cacctgggcc ttgaattcct gggctgtgaa 180
gacatgtagc agctgcaggg tttaccacac gtgggagggc agcccagtac tgtccctctg 240
ccttccccac tttgagaata tggcagcccc tttcattcct ggcttggggt aggggagacc 300
attgaagtag aagcctcaaa gcagactttt ccctttactg tgtgtactcc aggacgaaga 360
aggaagatca tgcttgatac ttagattggt tttccc 396

<210> 149
<211> 396
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 149
ttttttttttt tttaaagagt cacattttat tcaatgccta tttgtacatg ttactagcaa 60
taaactcttt tatctttaat tttgagaagt tttacaaata cagcaaagca gaatgactaa 120
tagagccggt aaccaggaca cagatttgga aaaataggtc taattggttg ttacactgtg 180
tttatgtcat acatttcgct tatttttatc aaanaaaaat cagaatttat aaaatgttaa 240
ttaaaaggaa aacattctga gtaaatttag tcccgtgttt cttcctccaa atctntttgt 300
tctacactaa caggtcagga taagtatgga tggggaggct ggaaaaaggg catccttccc 360
catgcggtcc ccagagccac cctctccaag caggac 396

<210> 150
<211> 396
<212> DNA
<213> Homo sapien

<400> 150
acgcctctct tcagttggca cccaaacatc tggattggca aatcagtggc aagaagttcc 60
agcatctgga cttttcagaa ttgatcttaa gtctactgtc atttccagat gcattatttt 120
acaactgtat ccttggaaat atatttctag ggagaatatt attgaagaaa atgttaatag 180
cctgagtcaa atttcagcag acttaccagc atttgtatca gtggtagcaa atgaagccaa 240
actgtatctt gaaaaacctg ttgttccttt aaatatgatg ttgccacaag ctgcattgga 300
gactcattgc agtaatattt ccaatgtgcc acctacaaga gagatacttc aagtctttct 360
tactgatgta cacatgaagg aagtaattca gcagtt 396

<210> 151
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 151
acaaaatgcc cagcctacag agtctgagaa ggaaatttat aatcaggtga atgtagtatt 60
aaaagatgca gaaggcatct tggaggactt gcagtcatac agaggagctg gccacgaaat 120
acgagaggca atccagcatc cagcanatga gaagttgcaa gagaaggcat ggggtgcagt 180
tgttccacta gtaggcaaat taaagaaatt ttacgaattt tctcagaggt tagaagcagc 240
attaagaggt cttctgggag ccttaacaag taccccatat tctcccaccc agcatctana 300
gcgagagcag gctcttgcta aacagtttgc anaaattctt catttcacac tccggtttga 360
tgaactcaag atgacaaatc ctgccataca gaatga 396

<210> 152
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)

<223> n = A,T,C or G

<400> 152
acgcagcgct cggcttcctg gtaattcttc acctcttttc tcagctccct gcagcatggg 60
tgctgggccc tccttgctgc tcgccgccct cctgctgctt ctctccggcg acggcgccgt 120
gcgctgcgac acacctgcca actgcaccta tcttgacctg ctgggcacct gggtcttcca 180
ggtgggctcc agcggttccc agcgcgatgt caactgctcg gttatgggac cacaagaaaa 240
aaaagtagng gtgtaccttc agaagctgga tacagcatat gatgaccttg gcaattctgg 300
ccatttcacc atcatttaca accaaggctt tgagattgtg ttgaatgact acaagtggtt 360
tgccttttt aagtataaag aagagggcag caaggt 396

<210> 153
<211> 396
<212> DNA
<213> Homo sapien

<400> 153
ccagagacaa cttcgcggtg tggtgaactc tctgaggaaa aacacgtgcg tggcaacaag 60
tgactgagac ctagaaatcc aagcgttgga ggtcctgagg ccagcctaag tcgcttcaaa 120
atggaacgaa ggcgtttgcg gggttccatt cagagccgat acatcagcat gagtgtgtgg 180
acaagcccac ggagacttgt ggagctggca gggcagagcc tgctgaagga tgaggccctg 240
gccattgccg ccctggagtt gctgcccagg gagctcttcc cgccactctt catggcagcc 300
tttgacggga gacacagcca gaccctgaag gcaatggtgc aggcctggcc cttcacctgc 360
ctccctctgg gagtgctgat gaagggacaa catctt 396

<210> 154
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 154
acagcaaacc tcctcacagc ccactggtcc tcaagagggg cnacntcttc acacatcanc 60
acaactacgc attgcctccc tncactcgga aggactatcc tgctgccaag agggtcaagt 120
tggacagtgt cagagtcctg agacagatca gcaacaaccg aaaatgcacc agccccaggt 180
cctcggacac cgaggagaat gtcaagaggc gaacacacaa cgtcttggag cgccagagga 240
ggaacgagct aaaacggagc ttttttgccc tgcgtgacca gatcccggag ttggaaaaca 300
atgaaaaggc ccccaaggta gttatcctta aaaaagccac agcatacatc ctgtccgtcc 360
aagcagagga gcaaaagctc atttctgaag aggact 396

<210> 155
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 155
ttttttttt tgaananaca ggtctttaat gtacggagtc tcacaaggca caaacaccct 60
caccaggacc aaataaataa ctccacggtt gcaggaaggc gcggtctggg gaggatgcgg 120

catctgagct ctcccagggc tggtgggcga gccgggggtc tgcagtctgt gaggggcctc 180
ctgggtgtgt ccgggcctct anagcgggtc cagtctccag gatggggatc gctcactcac 240
tctccgagtc ggagtagtcc gccacgaggg aggagccgan actgcagggg tgccgcgtgt 300
cgggggtgtc agctgcctcc tgggaggagc ctgctggcna caggggcttg tcctgacggc 360
tcccttcctg ccccctcggg ctgctgcact tggggg 396

<210> 156
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 156
gaaggggggc ngggcagggg cggaatgtan anattantgc catgattgaa gatttaagaa 60
acgtgagatt caggattttc accacatccc catttagtta gcttgctcgt ttggctggtg 120
caaatgccag atggattatg aacaatgaca gtaaattaat gcaacataat caggtaatga 180
tgccaagcgt atctggtgtt ccaggtattg tacctttacc ggaacaaatc agtaaatcca 240
caatccctgg cacctgttag gcagctatta acctagtaaa tgctccccca tcccatctca 300
atcagcaang acaatcaaaa acatttgctt tnagtggcag gaacactggt acatttttac 360
ttgctccaag ggctgtgcca acgctccctc tctctg 396

<210> 157
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 157
ttttttttt tttttgggga atgtaaatct tttattaaaa cagttgtctt tccacagtag 60
taaagctttg gcacatacag tataaaaaat aatcacccac cataattata ccaaattcct 120
nttatcaact gcatactaag tgttttcaat acaatttttt ccgtataaaa atactgggaa 180
aaattgataa ataacaggta ananaaagat atttctaggc aattactagg atcatttgga 240
aaaagtgagt actgnggata tttaaaatat cacagtaaca agatcatgct tgttcctaca 300
gtattgcggg ccanacactt aagtgaaagc anaagtgttt gggtgacttt cctacttaaa 360
attttggnca tatcatttca aaacatttgc atcttg 396

<210> 158
<211> 396
<212> DNA
<213> Homo sapien

<400> 158
tttccgaaga cgggcagctt cagagaagag gattattcgg gagattgctg gtgtggccca 60
tagactcttt ggcatagact ctttcgcagg cagccactct gagtgtggcc agttctataa 120
ccatccccaa actagctgga gcctgatgga taggaacggg tagtctgtcc tcttccccat 180
aaaaatgttc caaaaagtta tctccagaga gagtccctta tgaagacagt tgccaagctg 240
tattctcatt ctttaaacca atacccaggt cagggctagt tcacactagc actgttaggg 300
acatggtgtg gctagaaatg aattgagtgt gacttctccc tacaacccca ggcccaggga 360
taggaggagg cagaggggtg cctggagttt ctgcac 396

<210> 159
<211> 396
<212> DNA
<213> Homo sapien

<400> 159
tccgcgcgtt gggaggtgta gcgcggctct gaacgcgctg agggccgttg agtgtcgcag 60
gcggcgaggg cgcgagtgag gagcagaccc aggcatcgcg cgccgagaag gccgggcgtc 120
cccacactga aggtccggaa aggcgacttc cgggggcttt ggcacctggc ggaccctccc 180
ggagcgtcgg cacctgaacg cgaggcgctc cattgcgcgt gcgcgttgag gggcttcccg 240
cacctgatcg cgagacccca acggctggtg gcgtcgcctg cgcgtctcgg ctgagctggc 300
catggcgcag ctgtgcgggc tgaggcggag ccgggcgttt ctcgccctgc tgggatcgct 360
gctcctctct ggggtcctgg cggccgaccg agaacg 396

<210> 160
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 160
ggaaaccttc tcaactaaga gaacatcatt tctggcaaac tatttttgtt agctcacaat 60
atatgtcgta cactctacaa tgtaaatagc actganccac ancttacaga aggtaaaaag 120
angnataana acttccttta caaaanantt cctgttgttc ttaatactcc ccattgctta 180
tganaattnt ctatangtct ctcangantg ttcgcaccca tttcttttnt aacttctact 240
aaaaanccat ttacattgna nagtgtacna cntatatttg ngagctaaca aaaaatngtt 300
ttccnganat gatgttcttt tagtttnaga nggttcnnnc aanttnctac tccngcccgc 360
cactgnncnc cacatttnnn naattacacc ncacng 396

<210> 161
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 161
tttttgtttg attatttta ttataatgaa attaaactta tgactattac agtatgctca 60
gcttaaaaca tttatgagta ctgcaaggac taacagaaac aggaaaaatc ctactaaaaa 120
tatttgttga tgggaaatca ttgtgaaagc aaacctccaa atattcattt gtaagccata 180
agaggataag cacaaccata tgggaggaga taaccagtct ctcccttcat atatattctt 240
ttttatttct tggtatacct tcccaaaaca nanacattca acagtagtta gaatggccat 300
ctcccaacat tttaaaaaaa ctgcncccccc caatgggtga acaaagtaaa gagtagtaac 360
ctanagttca gctgagtaag ccactgtgga gcctta 396

<210> 162
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 162
tttttttttt tttttttttt tttttttttt ttnggggncc aaatttttt ntttgaagga 60
angggacaaa nnaaaaaact taaggggntg ttttggnncn acttanaaaa aagggaaagg 120
aaaccccaac atgcatgccc tnccttgggg accanggaan ncncccccncn ggtntgggga 180
aantaacccn aggnttaact ttnattatca ctgncnccca gggggggctt nnaaaaaaaa 240
nnttccccca anccaaantn gggnncnccc attttncnca anttggncnc cnggncnccc 300
nattttttga ngggtttcnc cngcncattn agggaanggg nntcaannaa accncncaaa 360
ngggggnnat ttttntcang ggccnatttg ngcnnt 396

<210> 163
<211> 396
<212> DNA
<213> Homo sapien

<400> 163
cactgtccgg ctctaacaca gctattaagt gctacctgcc tctcaggcac tctcctcgcc 60
cagtttctga ggtcagacga gtgtctgcga tgtcttcccg cactctattc ccccagcctc 120
tttctgcttt catgctcagc acatcatctt cctaggcagt ctcttcccca aagtctcacc 180
ttttcttcca atagaaaatt ccgcttgacc tttggtgcac tgcccacttc ccagctccac 240
tggcccaagt ctgagccgga ggcccttgtt ttgggggcgg ggggagagtt ggatgtgatt 300
gcccttgaag aacaaggctg acctgagagg ttcctggcgc cctgaggtgg ctcagcacct 360
gcccagggta ggcctggcat gaggggttag gtcagc 396

<210> 164
<211> 396
<212> DNA
<213> Homo sapien

<400> 164
gacacgcggc ggtgtcctgt gttggccatg gccgactacc tgattagtgg gggcacgtcc 60
tacgtgccag acgacggact cacagcacag cagctcttca actgcggaga cggcctcacc 120
tacaatgact ttctcattct ccctgggtac atcgacttca ctgcagacca ggtggacctg 180
acttctgctc tgaccaagaa aatcactctt aagaccccac tggtttcctc tcccatggac 240
acagtcacag aggctgggat ggccatagca atggcgctta caggcggtat tggcttcatc 300
caccacaact gtacacctga attccaggcc aatgaagttc ggaaagtgaa gaaatatgaa 360
cagggattca tcacagaccc tgtggtcctc agcccc 396

<210> 165
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 165
tttttttttt tttttttttt ttttttcang ggncactgag gcttttttatt ttgancncaa 60
aaccnccggg gatctancct gnggccnccc cggaaatnac ncnaggctca catnactnta 120
aacncttggg ggaaagggag gcaaaaaaaa caatgacttg ggccaattnc ncnactgcaa 180

agntananct gccaacaggg ctccagggag cttggnttnt gtaaaanttn taaggaagcg 240
gnncnaactc cncgggggggg gggcnctaac tancagggac ccctgcaagn gttggncggg 300
ggcctcaacc tgcctgagct nacncaaggg gnggggtntn tntanccaac aggggaccna 360
agggcttgcc tncccacagn ttacttggcc aagggg 396

<210> 166
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 166
ttttttcaaa ttcagagcat ttttattaaa agaacaaaat attaaggcac aaaatacatc 60
aatttttcaa atgaaaaccc ttcaaacggt tatgtcctac attcaacgaa acttcttcca 120
aattacggaa taatttaact ttttaaaata naaaaataca agttcttaaa tgcctaaaat 180
ttctccccaa ataaatgttt tcttagtttt aatgaagtct cttcatgcag tactgagctc 240
caatattata atgtncactt ccttaaaaat ctagttttgc cacttatata cattcaatat 300
gtttaaccag tatattaacc agtatattaa ccaatatgtt aaacttcttt taagtataag 360
gcttggtatt ttgtattgct tattgcatgc tttgat 396

<210> 167
<211> 396
<212> DNA
<213> Homo sapien

<400> 167
tggcggcagc ggcggtggcg gtggctgagc agaggacccg gcgggcggcc tcgcgggtca 60
ggacacaatg tttgcacgag gactgaagag gaaatgtgtt ggccacgagg aagacgtgga 120
gggagccctg gccggcttga agacagtgtc ctcatacagc ctgcagcggc agtcgctcct 180
ggacatgtct ctggtgaagt tgcagctttg ccacatgctt gtggagccca atctgtgccg 240
ctcagtcctc attgccaaca cggtccggca gatccaagag gagatgacgc aggatgggac 300
gtggcgcaca gtggcacccc aggctgcaga gcgggcgccg ctcgaccgct tggtctccac 360
ggagatcctg tgccgtgcag cgtgggggca agaggg 396

<210> 168
<211> 396
<212> DNA
<213> Homo sapien

<400> 168
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gcttttgact tctggtttta gactttcttt agcttctgtt gttagacaac attgtgcaag 120
cttggttttt ataagtttgc atggattaaa ctgaacttaa tgaaattgtc cctcccccca 180
aattctcagc acaattttta ggcccacaag gagtcaagca cctcaaggag atcttcagtt 240
tgaacttggt gtagacacag ggatactgat gaatcaatat tcaaattagc tgttacctac 300
ttaagaaaga gaggagacct tggggatttc gaggaagggt tcataaggga gattttagct 360
gagaaatacc atttgcacag tcaatcactt ctgacc 396

<210> 169
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 169
ttttttttttt tttcanaatt aaattcttta atacaaaatg ctttttttttt tttaaaanat 60
atctgtattt ctttgncgtt gttnaaaaat aaatatgtnc tacggaatat ntcnaaaaac 120
tgcnctaaaa acaaanacgn gatgttaata tcttttcccc ncaattntta cggataaaca 180
gtancccna taaataaatg atancnaatn ttaaaattaa aaaagganan anatttagta 240
tgnaaaattc tctatttttt cttggtttgg ttttncntat aaaaaacana atagcaatgt 300
ntnttttatc anaatcccnt ntntncctaa acnttttttt ttttntttnc ccccnaatnc 360
aagnngccaa anatntntnt agnatgnana tgtntn 396

<210> 170
<211> 396
<212> DNA
<213> Homo sapien

<400> 170
tgagaagtac catgccgctt ctgcagagga acaggcaacc atcgaacgca acccctacac 60
catcttccat caagcactga aaaactgtga gcctatgatt gggctggtac ccatcctcaa 120
gggaggccgt ttctaccagg tccctgtacc cctacccgac cggcgtcgcc gcttcctagc 180
catgaagtgg atgatcactg agtgccggga taaaaagcac cagcggacac tgatgccgga 240
gaagctgtca cacaagctgc tggaggcttt ccataaccag ggccccgtga tcaagaggaa 300
gcatgacttg cacaagatgg cagaggccaa ccgtgccctg gcccactacc gctggtggta 360
gagtctccag gaggagccca gggccctctg cgcaag 396

<210> 171
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 171
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aagtgctaaa gccgctgagt gaagtaagaa ctctgctaga gaggaaaatg ggcttgcttt 120
catcatcatc ctnctcagct ggtggggtca agtgggaagt tctgtcactg ggatctggtt 180
cagtgtctca agaccttgcc ccaccacgga aagccttttt cacntacccc aaaggacttg 240
gagagatgtt agaagatggn tctnaaanat tcctctgcna atntgttttt agctatcaag 300
tggcttcccc ccttaancag gnaaaacatg atcagcangt tgctcggatg gaaaaactan 360
cttggtttgn naaaaaanct ggaggcttga caatgg 396

<210> 172
<211> 396
<212> DNA
<213> Homo sapien

<220>
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<222> (1)...(396)
<223> n = A,T,C or G

<400> 172
agccttgggc caccctcttg gagcatctgg ctgtcgaatt cttgtgaccc tgttacacac 60
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aatagcaatg tgtgttcaga gagaatgaat tgcttaaact ttgaacaacc tcaatttctt 180
tttaaactaa taaagtacta ggttgcaata tgtgaaaaaa aaaaaaaaag ggcggccgnt 240
cnantntana gggcccnttn aaacccgttg atcaacctcg actgtgcctt ctagttgcca 300
gccatctgtt gttngcccct ccccgtgnc tttcttgacc ttgaaagggg ccccncccct 360
gtctttccta anaaaaanga agaantnncc ttccnt 396

<210> 173
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 173
aagcatgtgg atatgtttag ctacgtttac tcacagccag cgaactgaca ttaaaataac 60
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aaattatggt aaaattttgc aggggacann ctttttaaga cttgcacaat tnccggatcc 240
tgcnctgact ttggaaaagg catatatgtn ctagnggcat gganaatgcc ccatactcat 300
gcatgcaaat taaacaacca agtttgaatc tttttgggggg ngngctatnc tttaacccng 360
tacnggcntt attatntaan gnccctgnnn cntgtg 396

<210> 174
<211> 924
<212> DNA
<213> Homo sapiens

<400> 174
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cctaggagtc tacggggacc gcctcccgcg ccgccaccat gcccaacttc tctggcaact 120
ggaaaatcat ccgatcggaa aacttcgagg aattgctcaa agtgctgggg gtgaatgtga 180
tgctgaggaa gattgctgtg gctgcagcgt ccaagccagc agtggagatc aaacaggagg 240
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cctcgtggac cagagaactg accaacgatg gggaactgat cctgaccatg acggcggatg 480
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gccccaaacc agcccagagc agggtctctc taaaggggac ttgagggcct gagcaggaaa 840
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<210> 175
<211> 3321
<212> DNA
<213> Homo sapiens

<400> 175
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gaaaagaaac ttatttctgt tgacacggaa cattccaata tctatcttca aaatggccca 180
gatagaattg ggagactata taagaaggcc ctttatcttc agtacacaga tgaaaccttt 240
aggacaacta tagaaaaacc ggtctggctt gggtttttag gccctattat caaagctgaa 300
actggagata aagtttatgt acacttaaaa aaccttgcct ctaggcccta cacctttcat 360
tcacatggaa taacttacta taaggaacat gagggggcca tctaccctga taacaccaca 420
gattttcaaa gagcagatga caaagtatat ccaggagagc agtatacata catgttgctt 480
gccactgaag aacaaagtcc tggggaagga gatggcaatt gtgtgactag gatttaccat 540
tcccacattg atgctccaaa agatattgcc tcaggactca tcggaccttt aataatctgt 600
aaaaaagatt ctctagataa agaaaaagaa aaacatattg accgagaatt tgtggtgatg 660
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tcagaaccag agaaagttga caaagacaac gaagacttcc aggagagtaa cagaatgtat 780
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cattaaaaga gactggagca t 3321

<210> 176
<211> 487
<212> DNA
<213> Homo sapiens

<400> 176
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ttacagcaga catggaaata taattttaaa aaatttctct ccaacctcct tcaaattcag 120
tcaccactgt tatattacct tctccaggaa ccctccagtg gggaaggctg cgatattaga 180
tttccttgta tgcaaagttt ttgttgaaag ctgtgctcag aggaggtgag aggagaggaa 240
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aaacttctct gcagtatctg gcttgtccat ctggtctaag gtggctgctt cttccccagc 360
catgagtcag tttgtgccca tgaataatac acgacctgtt atttccatga ctgctttact 420
gtatttttaa ggtcaatata ctgtacattt gataataaaa taatattctc ccaaaaaaaa 480
aaaaaaa 487

<210> 177
<211> 3999
<212> DNA
<213> Homo sapiens

<400> 177
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taccctcgtc gggccaacca ctggtctgcg atcatcggag gatcccactc caagaattat 180
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aaagccaaag cccaatggcc agcctggcag cctctcaacg tgagagcagc accttcagct 360
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cccgactgga acgtaggctt atctgcagaa gatctgtgca ccaaggaatg tggctgggtc 480
cagaaggtgg tgcaagacct gattccctgg gacgctggca ccgacagcgg ggtgacctat 540
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<210> 178
<211> 1069
<212> DNA
<213> Homo sapiens

<400> 178
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tagctatgaa gtggtatatt ttttccaaat atttttctga aaacatttgt tgttgtaact 1020

gcacaataaa agtccagttg caattaaaaa aaaaaaaaaa aaaaaaaaa 1069

<210> 179
<211> 1817
<212> DNA
<213> Homo sapiens

<400> 179
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<212> DNA
<213> Homo sapiens

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gtggctgccg cagtaacatt tctgacccat gctttctgct tgcactcatc tcctgccttt 1500
gatcttcatt atctcaggca gtccccacaa cgactgtatc taggagttca ttttaccctc 1560
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gatggaataa caaatctaca tacagattta gtaatctcta tgtagatata gaacatagtg 2220
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acacatcatc aaactcacat tgtaacgatt atttcacttt tcaaaaaaaa tggcattaga 2940
aaaacttgaa tgatgttagt tatcttaaag aagtgtgtac tatgtttaaa aaaaaaaaaa 3000

<210> 186
<211> 807
<212> PRT
<213> Homo sapiens

<400> 186
Met Arg Leu Ser Pro Ala Pro Leu Lys Leu Ser Arg Thr Pro Ala Leu
5 10 15

Leu Ala Leu Ala Leu Pro Leu Ala Ala Ala Leu Ala Phe Ser Asp Glu
20 25 30

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Thr Leu Asp Lys Val Pro Lys Ser Glu Gly Tyr Cys Ser Arg Ile Leu
         35                  40                  45

Arg Ala Gln Gly Thr Arg Arg Glu Gly Tyr Thr Glu Phe Ser Leu Arg
     50                  55                  60

Val Glu Gly Asp Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val
 65                  70                  75                  80

Thr Leu Ser Ala Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile
                 85                  90                  95

Ala Leu Arg Glu Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly
            100                 105                 110

Thr Phe Gln Ile Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys
        115                 120                 125

Pro Val Ala Val Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln
    130                 135                 140

Val Phe Trp Ile Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys
145                 150                 155                 160

Ala Ser Ile Val Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser
                165                 170                 175

Leu Thr Lys Lys Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr
            180                 185                 190

Asp Lys Pro Ile Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg
        195                 200                 205

Leu Thr Phe Tyr Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr
    210                 215                 220

Pro Arg Arg Ala Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser
225                 230                 235                 240

Lys Asn Tyr Val Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val
                245                 250                 255

Lys Gln Val Ala Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile
            260                 265                 270

Arg Gln Gln Ser Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln
        275                 280                 285

Trp Pro Ala Trp Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu
    290                 295                 300

Phe Ser Val Asp Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met
305                 310                 315                 320

Gly Pro Ser Pro Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys
                325                 330                 335
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Thr Lys Glu Cys Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro
            340                 345                 350

Trp Asp Ala Gly Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys
        355                 360                 365

Pro Thr Ile Pro Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His
    370                 375                 380

Pro Gln Ser Pro Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val
385                 390                 395                 400

Ala Arg Val Val Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn
                405                 410                 415

Ile Val Pro Asp Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu
            420                 425                 430

Glu Lys Asp Glu Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp
        435                 440                 445

Ser Pro Trp Ser Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg
    450                 455                 460

Met Arg Gln Arg Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys
465                 470                 475                 480

Pro Asp Thr Gln Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp
                485                 490                 495

Glu Asp Gly Ser Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro
            500                 505                 510

Cys Ser Ile Ser Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val
        515                 520                 525

Lys Gln Phe Pro Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu
    530                 535                 540

Met Glu Lys Cys Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu
545                 550                 555                 560

Met Thr Glu Trp Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met
                565                 570                 575

Gly Met Lys Lys Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly
            580                 585                 590

Ser Met Cys Lys Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro
        595                 600                 605

Glu Cys His Thr Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser
    610                 615                 620

Asp Cys Ser Val Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met
625                 630                 635                 640
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Leu Lys Ser Leu Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln
                645                 650                 655

Val Glu Lys Cys Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr
            660                 665                 670

Glu Trp Ser Gln Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His
        675                 680                 685

Val Ile Arg Thr Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala
    690                 695                 700

Pro Cys Pro Glu Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys
705                 710                 715                 720

Leu Arg Asn Pro Ser Ile Gln Lys Pro Arg Trp Arg Glu Ala Arg Glu
                725                 730                 735

Ser Arg Arg Ser Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe
            740                 745                 750

Pro Gly Cys Arg Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys
        755                 760                 765

Leu Cys Gly Gly Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg
    770                 775                 780

Phe Lys Ser Ser Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg
785                 790                 795                 800

Ala Cys Asn Val His Pro Cys
                805
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<210> 187
<211> 892
<212> DNA
<213> Homo sapiens

<400> 187
tttattgatg tttcaacagg cacttattca ataagttat atatttgaaa acagccatgg 60
taagcatcct tggcttctca cccattcctc atgtggcatg ctttctagac tttaaaatga 120
ggtaccctga atagcactaa gtgctctgta agctcaagga atctgtgcag tgctacaaag 180
cccacaggca gagaaagaac tcctcaagtg cttgtggtca gagactaggt tccatatgag 240
gcacacctat gatgaaggtc ttcacctcca gaaggtgaca ctgttcagag atcctcattt 300
cctggagagt gggagaaaat ccctcctttg ggaaatccct tttcccagca gcagagccca 360
cctcattgct tagtgatcat ttggaaggca ctgagagcct tcaggggctg acagcagaga 420
aatgaaaatg agtacagttc agatggtgga agaagcatgg cagtgacatc ttccatgctc 480
tttttctcag tgtctgcaac tccaaagatc aaggccataa cccaggagac catcaacgga 540
agattagttc tttgtcaagt gaatgaaatc caaaagcacg catgagacca atgaaagttt 600
ccgcctgttg taaaatctat tttcccccaa ggaaagtcct tgcacagaca ccagtgagtg 660
agttctaaaa gataccctg gaattatcag actcagaaac ttttatttt tttttctgta 720
acagtctcac cagacttctc ataatgctct taatatattg cacttttcta atcaaagtgc 780
gagtttatga gggtaaagct ctactttcct actgcagcct tcagattctc atcattttgc 840
atctattttg tagccaataa aactccgcac tagcaaaaaa aaaaaaaaaa aa 892

<210> 188
<211> 1448

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1448)
<223> n = A,T,C or G

<400> 188
tgtgactcac atttctttta ctgtgacaca ataatgtgat cctaaaactg gcttatcctt 60
gagtgtttac aactcaaaca acttttttgaa tgcagtagtt ttttttttttt aaaaacaaac 120
ttttatgtca aatttttttt cttagaagta gtcttcatta ttataaattt gtacaccaaa 180
aggccatggg gaactttgtg caagtacctc atcgctgagc aaatggagct tgctatgttt 240
taatttcaga aaatttcctc atatacgtag tgtgtagaat caagtctttt aataattcat 300
tttttcttca taatatttac tcaaagttaa gcttaaaaat aagttttatc ttaaaatcat 360
atttgaagac agtaagacag taaactattt taggaagtca acccccattg cactctgtgg 420
cagttattct ggtaaaaata ggcaaaagtg acctgaatct acaatggtgt cccaaagtaa 480
ccaagtaaga gagattgtaa atgataaacc gagctttaaa ggataaagtg ttaataaaga 540
aaggaagctg ggcacatgtc aaaaagggag atcgaaatgt taggtaatca tttagaaagg 600
acagaaaata tttaaagtgg ctcataggta atgaatattt ctgacttaga tgtaaatcca 660
tctggaatct ttacatcctt tgccagctga aacaagaaag tgaagggaca atgatatttc 720
atggtcagtt tattttgtaa gagacagaag aaattatatc tatacattac cttgtagcag 780
cagtacctgg aagccccagc ccgtcacaga agtgtggagg ggggctcctg actagacaat 840
ttccctagcc cttgtgattt gaagcatgaa agttctggca ggttatgagc agcactaggg 900
ataaagtatg gttttatttt ggtgtaattt aggtttttca acaaagccct tgtctaaaat 960
aaaaggcatt attggaaata tttgaaaact agaaaatgat ggataaaagg gctgataaga 1020
aaatttctga ctgtcagtag aagtgagata agatcctcag aggaaacagt aagaagggat 1080
aatcattaag atagtaaaac aggcaaagca gaatcacatg tgcncacaca catacacatg 1140
taaacattgg aatgcataag ttttaatatt ttagcgctat cagtttctaa atgcattaat 1200
tactaactgc cctctcccaa gattcattta gttcaaacag tatccgtaaa ctaggaataa 1260
tgccacatgc attcaatggg atcttttaag tactcttcag tttgttccaa gaaatgtgcc 1320
tactgaaatc aaattaattt gtattcaatg tgtacttcaa gactgctaat tgtttcatct 1380
gaaagcctac aatgaatcat tgttcamcct tgaaaaataa aattttgtaa atcaaaaaaa 1440
aaaaaaaa 1448

<210> 189
<211> 460
<212> DNA
<213> Homo sapiens

<400> 189
ttttgggagc acggactgtc agttctctgg gaagtggtca gcgcatcctg cagggcttct 60
cctcctctgt cttttggaga accagggctc ttctcagggg ctctagggac tgccaggctg 120
tttcagccag gaaggccaaa atcaagagtg agatgtagaa agttgtaaaa tagaaaaagt 180
ggagttggtg aatcggttgt tctttcctca catttggatg attgtcataa ggtttttagc 240
atgttcctcc ttttcttcac cctccccttt tttcttctat taatcaagag aaacttcaaa 300
gttaatggga tggtcggatc tcacaggctg agaactcgtt cacctccaag catttcatga 360
aaaagctgct tcttattaat catacaaact ctcaccatga tgtgaagagt ttcacaaatc 420
cttcaaaata aaaagtaatg acttaaaaaa aaaaaaaaaa 460

<210> 190
<211> 481
<212> DNA
<213> Homo sapiens

<400> 190
aggtggtgga agaaactgtg gcacgaggtg actgaggtat ctgtgggagc taatcctgtc 60

caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtggtggcg 120
gaaaatccct gccagaacca ccactgcaaa cacggcaagg tgtgcgagct ggatgagaac 180
aacaccccca tgtgcgtgtg ccaggacccc accagctgcc cagcccccat tggcgagttt 240
gagaaggtgt gcagcaatga caacaagacc ttcgactctt cctgccactt ctttgccaca 300
aagtgcaccc tggagggcac caagaagggc cacaagctcc acctggacta catcgggcct 360
tgcaaataca tccccccttg cctggactct gagctgaccg aattcccccc gcgcatgcgg 420
gactggctca agaacgtcct ggtcaccctg tatgagaggg atgaggacaa caaccttctg 480
a 481

<210> 191
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 191
atataaatta gactaagtgt tttcaaataa atctaaatct tcagcatgat gtgttgtgta 60
taattggagt agatattaat taagtcccct gtataatgtt ttgtaatttt gcaaaacata 120
tcttgagttg tttaaacagt caaaatgttt gatattttat accagcttat gagctcaaag 180
tactacagca aagcctagcc tgcatatcat tcacccaaaa caaagtaata gcgcctcttt 240
tattattttg actgaatgtt ttatggaatt gaaagaaaca tacgttcttt tcaagacttc 300
ctcatgaatc tntcaattat aggaaaagtt attgtgataa aataggaaca gctgaaagat 360
tgattaatga actattgtta attcttccta ttttaatgaa tgacattgaa ctgaattttt 420
tgtctgttaa atgaacttga tagctaataa aaagncaact agccatcaaa aaaaaaaaaa 480
aaaaaaaaa 489

<210> 192
<211> 516
<212> DNA
<213> Homo sapiens

<400> 192
acttcaaagc cagctgaagg aaagaggaag tgctagagag agccccccttc agtgtgcttc 60
tgacttttac ggacttggct tgttagaagg ctgaaagatg atggcaggaa tgaaaatcca 120
gcttgtatgc atgctactcc tggctttcag ctcctggagt ctgtgctcag attcagaaga 180
ggaaatgaaa gcattagaag cagatttctt gaccaatatg catacatcaa agattagtaa 240
agcacatgtt ccctcttgga agatgactct gctaaatgtt tgcagtcttg taaataattt 300
gaacagccca gctgaggaaa caggagaagt tcatgaagag gagcttgttg caagaaggaa 360
cttcttactg ctttagatgg ctttagcttg gaagcaatgt tgacaatata ccagctccac 420
aaaatctgtc acagcagggc ttttcaacac tgggagttaa tccaggaaga tattcttgat 480
actggaaatg acaaaaatgg aaaggaagaa gtcata 516

<210> 193
<211> 1409
<212> DNA
<213> Homo sapiens

<400> 193
tgattctttt ccaaaacttt tagccatagg gtcttttata gacagggata gtaaaatgaa 60
aattgagaaa tataagatga aaaggaatgg taaaaatatc ttttaggggg cttttaattg 120
gtgatctgaa atcttgggag aagctgttct tttcaggcct gaggtgctct tgactgtcgc 180
ctgcgcactg tgtaccccga gcaacattct aagggtgtgc tttcgccttg gctaactcct 240
ttgacctcat tcttcatata gtagtctagg aaaaagttgc aggtaattta aactgtctag 300

tggtacatag taactgaatt tctattccta tgagaaatga gaattattta tttgccatca 360
acacatttta tactttgcat ctccaaattt attgcggcga gacttgtcca ttgtgaaagt 420
tagagaacat tatgtttgta tcatttcttt cataaaacct caagagcatt tttaagccct 480
tttcatcaga cccagtgaaa actaaggata gatgtttttt aactggaggt ctcctgataa 540
ggagaacaca atccaccatt gtcatttaag taataagaca ggaaattgac cttgacgctt 600
tcttgttaaa tagatttaac aggaacatct gcacatcttt tttccttgtg cactatttgt 660
ttaattgcag tggattaata cagcaagagt gccacattat aactaggcaa ttatccattc 720
ttcaagactt agttattgtc acactaattg atcgtttaag gcataagatg gtctagcatt 780
aggaacatgt gaagctaatc tgctcaaaaa gatcaacaaa ttaatattgt tgctgatatt 840
tgcataattg gctgcaatta tttaatgttt aattgggttg atcaaatgag attcagcaat 900
tcacaagtgc attaatataa acagaactgg ggcacttaaa atgataatga ttaacttata 960
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aaacctgagc agttcctaaa aagatttgct gttagaaatt ttctttgtgg cagtcattta 1140
ttaaggattc aactcgtgat acaccaaaag aagagttgac ttcagagatg tgttccatgc 1200
tctctagcac aggaatgaat aaatttataa cacctgcttt agcctttgtt ttcaaaagca 1260
caaaggaaaa gtgaaaggga aagagaaaca agtgactgag aagtcttgtt aaggaatcag 1320
gtttttttcta cctggtaaac attctctatt cttttctcaa aagattgttg taagaaaaaa 1380
tgtaagmcaa aaaaaaaaaa aaaaaaaaa 1409

<210> 194
<211> 441
<212> DNA
<213> Homo sapiens

<400> 194
cagatttcgg tagccatctc cctccaaata tgtctctttc tgctttctta gtgcccatta 60
tttccccttc tcctttcttc tgtcactgcc atctccttct tggtcttccc attgttcttt 120
aactggccgt aatgtggaat tgatatttac attttgatac ggtttttttc ttggcctgtg 180
tacgggattg cctcatttcc tgctctgaat tttaaaatta gatattaaag ctgtcatatg 240
gtttcctcac aaaagtcaac aaagtccaaa caaaaatagt ttgccgtttt actttcatcc 300
attgaaaaag gaaattgtgc ctcttgcagc ctaggcaaag gacatttagt actatcgatt 360
ctttccaccc tcacgatgac ttgcggttct ctctgtagaa aagggatggc ctaagaaata 420
caactaaaaa aaaaaaaaaa a 441

<210> 195
<211> 707
<212> DNA
<213> Homo sapiens

<400> 195
cagaaaaata tttggaaaaa atataccact tcatagctaa gtcttacaga gaagaggatt 60
tgctaataaa acttaagttt tgaaaattaa gatgcaggta gagcttctga actaatgccc 120
acagctccaa ggaagacatg tcctatttag ttattcaaat acaagttgag ggcattgtga 180
ttaagcaaac aatatatttg ttagaacttt gtttttaaat tactgttcct tgacattact 240
tataaagagt ctctaacttt cgatttctaa aactatgtaa tacaaaagta tagtttcccc 300
atttgataaa aggccaatga tactgagtag gatatatgcg tatcatgcta cttcattcag 360
tgtgtctgtt tttaatacta ataaggcagt ttgacagaaa ttatttcttt gggactaagg 420
tgattatcat ttttttcccc ttcaaaattg tgctttaagt gctgataacc acaggcagat 480
tgcaaagaac tgataaggca acaaaagtag agaattttag gatcaaaggc atgtaactga 540
aaggtaacaa cagtacataa gcgacaactg gggaaggcag cagtgaaaca tgtttgtggg 600
gttaagtgag tcattgtaaa taaggaattt gcacatttat tttctgtcga cgcggccgcc 660
actgtgctgg atatctgcag aattccacca cactggacta gtggatc 707

<210> 196
<211> 552
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 196
tggccagcca gcctgatgtg gatggcttcc ttggggtggt gcttccctca agcccgaatt 60
ngtggacatc atcaatgcca aacaatgagc cccatccatt ttccctaccc ttcctgccaa 120
gccagggant aagcagccca gaagcccagt aactgccctt tccctgcata tgcttttgat 180
ggtgtcatnt gctccttcct gtggcctcat ccaaactgta tnttccttta ctgtttatat 240
nttcaccctg taatggttgg gaccaggcca atcccttntc cacttactat aatggttgga 300
actaaacgtc accaaggtgg cttntccttg gctgaganat ggaaggcgtg gtgggatttg 360
ctnctgggtt ccctaggccc tagtgagggc agaagagaaa ccatcctntc ccttnttaca 420
ccgtgaggcc aagatcccct cagaaggcag gagtgctgcc ctntcccatg gtgcccgtgc 480
ctntgtgctg tgtatgtgaa ccacccatgt gagggaataa acctggcact aggaaaaaaa 540
aaaaaaaaaa aa 552

<210> 197
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 197
ctccagagac aacttcgcgg tgtggtgaac tctctgagga aaaacacgtg cgtggnanca 60
agtgactgag acctanaaat ccaagcgttg gaggtcctga ggccagccta agtcgcttca 120
aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240
tggccattgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgcctccctc tgggagtgct gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gctccttgc 449

<210> 198
<211> 606
<212> DNA
<213> Homo sapiens

<400> 198
tgagtttgcc cccttacccc catcccagtg aatatttgca attcctaaag acgtgttttg 60
attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagccccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
agcttgcctt tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga acactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcctggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcaggtt ccaggaaagc cctcaggcct gggctgctgg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttcttgt 600
ctgcac 606

<210> 199
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

<400> 199
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ggcaactttt tgcggattgt tcttgcttnc aggctttgcg ctgcaaatcc agtgctacca 60
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ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
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